

#### OriGene Technologies, Inc.

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# Product datasheet for TA811745M

## HOMER1 Mouse Monoclonal Antibody [Clone ID: OTI7G10]

#### **Product data:**

Clone Name:OTIG10Applications:HC WBAccommended Diluto:WB 1500-2000, HC 1:500Reactivity:Human, Rat, MouseHost:MouseIsotype:JG2DIsotype:MoncolonalImmunogen:Human recombinant protein fragment corresponding to amino acids 1-354 of human (MCRE1 (NP_004263) produced in Ecoli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Formulation:Humifed fragment corresponding to amino acids 1-354 of human (MCRE1 (NP_004263) produced in Ecoli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Formulation:Unified frammouse acids Filuids or tissue culture supernationating application.Forigetion:UnologuatedForigetion:Stable for 12 months from date of receipt.Foreine:Nonecaffolding protein 1Gren Name:Nine Scaffolding protein 1Foreix:Nine Scaffolding protein 1Foreix:Nine Scaffolding protein 1Gren Name:Nine Scaffolding protein 1Scaffolding protein 1Scaffolding protein 1Foreix:Nine Scaffolding protein 1Gren Name:Nine Scaffolding protein 1Scaffolding protein 1Scaffolding protein 1Gren Name:Nine Scaffolding protein 1Scaffolding protein 2Scaffolding protein 2Scaffolding protein protein prote	Product Type:	Primary Antibodies
Recommended DiluticiWB 1:500-2000, HC 1:500Reactivity:Human, Rat, MouseHost:MouseIsotype:IgG2bClonality:MonoclonalImmunogen:Human recombinant protein fragment corresponding to amino acids 1-354 of human HOMER1 (NP_004263) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:1 mg/mlPurification:Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)Conjugation:UnconjugatedStorage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein Size:Nome scaffolding protein 1Database Link:NP 004263 Resymption:Background:Nis gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq. Jung 2008]Synonyms:HOMER14; HOMER1E; HOMER1C; SYN47; Ves-1	Clone Name:	OTI7G10
Reactivity:Human, Rat, MouseHost:MouseIsotype:IgG2bClonality:MonoclonalImmunogen:Human recombinant protein fragment corresponding to amino acids 1-354 of human hOMER1 (NP_004263) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)Conjugation:UnconjugatedStora et -20°C as received.Storage:Stole for 12 months from date of receipt.Predicted Protein SizeAlomes finding protein 1Ona Database Link:Mones ascits fluids or tissue culture supernatant by affinity chromatography (protein A/G)Background:Stop at -20°C as received.Stability:Gone Addition grotein 1Background:Inis gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, JulyStynonyms:HOMER1; HOMER1; HOMER1C; SYN47; Ves-1	Applications:	IHC, WB
Host:MouseIsotype:IgG2bClonality:MonoclonalImmuogen:Human recombinant protein fragment corresponding to amino acids 1-354 of human (POMER1 (NP_004263) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:Img/mlPurification:Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography grotein A/G)Conjugation:UnconjugatedStorage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein SizeNomer scaffolding protein 1Oratabase Link:NP 004263 Arter Gene 26556 MouseEntrez Gene 29546 RatEntrez Gene 9456 Human ORGYMTBackground:This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, JulySynoryms:WOMER1K: HOMER1E; HOMERTC; SNN47; Ves-1	Recommended Dilution:	WB 1:500~2000, IHC 1:500
Isotype:IgG2bClonality:MonoclonalImmunogen:Human recombinant protein fragment corresponding to amino acids 1-354 of human POMER1 (NP_004263) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:1 mg/mlPurification:Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)Conjugation:UnconjugatedStorage:Stole for 12 months from date of receipt.Predicted Protein Size:4.01 kDaGene Name:NP 004263 Entrez Gene 26556 MouseEntrez Gene 29546 RatEntrez Gene 9456 Human (287M)Background:Nis gene encodes a member of the homer family of dendritic proteins. Members of this amily regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq., Ju 208]Synonyms:UMER; HOMER1K; HOMERTC; SYN47; Ves-1	Reactivity:	Human, Rat, Mouse
Clonality:MonoclonalImmunogen:Human recombinant protein fragment corresponding to amino acids 1-354 of human HOMER1 (NP_004263) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:1 mg/mlPurification:Qurified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)Conjugation:UnconjugatedStorage:Stole for 12 months from date of receipt.Predicted Protein Size:40.1 kDaGene Name:Nem escaffolding protein 1Database Link:NP 004263 Entrez Gene 26556 MouseEntrez Gene 29546 RatEntrez Gene 9456 Human Q86YMZBackground:This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, Jul 2008]Synonyms:HOMER1A; HOMER1A; HOMER1E; SYN47; Ves-1	Host:	Mouse
Immunogen:Human recombinant protein fragment corresponding to amino acids 1-354 of human HOMER1 (NP_004263) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:1 mg/mlPurification:Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)Conjugation:UnconjugatedStorage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein Size:40.1 kDaGene Name:NP 004263 Entrez Gene 26556 MouseEntrez Gene 29546 RatEntrez Gene 9456 Human O86YMTBackground:This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, Ju 2008]Synonyms:HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1	lsotype:	lgG2b
HOMER1 (NP_004263) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:1 mg/mlPurification:Quified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)Conjugation:UnconjugatedStorage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein Size:40.1 kDaGene Name:NP 004263 Entrez Gene 26556 MouseEntrez Gene 29546 RatEntrez Gene 9456 Human OX6YM7Background:This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, Jul 2008]Synonyms:HOMER1 (NDMER1A; HOMERT1E; SYN47; Ves-1	Clonality:	Monoclonal
Concentration:1 mg/mlPurification:Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)Conjugation:UnconjugatedStorage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein Size:40.1 kDaGene Name:homer scaffolding protein 1Database Link:NP 004263 Entrez Gene 26556 MouseEntrez Gene 29546 RatEntrez Gene 9456 Human Q86YM7Background:This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, Jul 2008]Synonyms:HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1	Immunogen:	
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Image: protein A/G)Conjugation:UnconjugatedStorage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein Size:40.1 kDaGene Name:homer scaffolding protein 1Database Link:NP 004263 Entrez Gene 26556 MouseEntrez Gene 29546 RatEntrez Gene 9456 Human Q86YM7Background:This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, Jul 208]Synonyms:HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1	Concentration:	1 mg/ml
Storage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein Size:40.1 kDaGene Name:homer scaffolding protein 1Database Link:NP 004263 Entrez Gene 26556 MouseEntrez Gene 29546 RatEntrez Gene 9456 Human 086YM7Background:This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, Jul 2008]Synonyms:HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1	Purification:	
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family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, Jul 2008]Synonyms:HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1	Database Link:	Entrez Gene 26556 MouseEntrez Gene 29546 RatEntrez Gene 9456 Human
	Background:	family regulate group 1 metabotrophic glutamate receptor function. [provided by RefSeq, Jul
Protein Families: Druggable Genome	Synonyms:	HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1
	Protein Families:	Druggable Genome



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## **Product images:**

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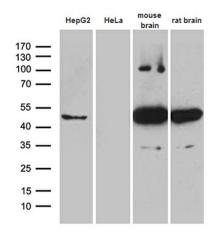
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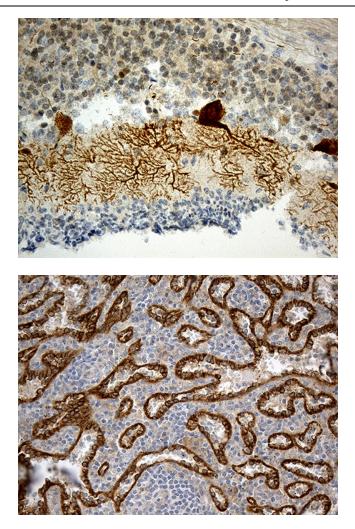
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HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HOMER1 (Cat# [RC215892], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HOMER1 (1:2000) (Cat# [TA811745]). Positive lysates [LY418101] (100ug) and [LC418101] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 2 different cell lines and 2 different tissue lysates by using anti-HOMER1 monoclonal antibody (1:500).

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Immunohistochemical staining of paraffinembedded Human embryonic cerebellum within the normal limits using anti-HOMER1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

Immunohistochemical staining of paraffinembedded Human spleen tissue within the normal limits using anti-HOMER1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

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