

## Product datasheet for **CF806308**

### **HOMER2 Mouse Monoclonal Antibody [Clone ID: OTI4D4]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI4D4
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HOMER2 (NP_004830) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	39.3 kDa
Gene Name:	homer scaffold protein 2
Database Link:	<a href="#">NP_004830</a> <a href="#">Entrez Gene 26557 Mouse</a> <a href="#">Entrez Gene 29547 Rat</a> <a href="#">Entrez Gene 9455 Human</a> <a href="#">Q9NSB8</a>

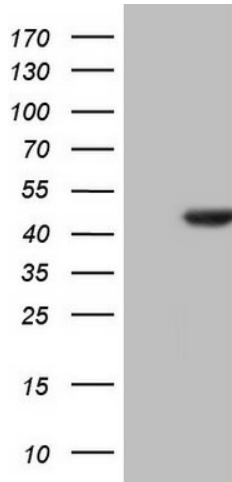
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**Background:** This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotropic glutamate receptor function. The encoded protein is a postsynaptic density scaffolding protein. Alternative splicing results in multiple transcript variants. Two related pseudogenes have been identified on chromosome 14. [provided by RefSeq, Jun]

**Synonyms:** ACPD; CPD; DFNA68; HOMER-2; VESL-2

**Protein Families:** Druggable Genome

**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HOMER2 ([RC204165], 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-HOMER2. Positive lysates [LY401516] (100ug) and [LC401516] (20ug) can be purchased separately from OriGene.