

Product datasheet for **TA811639S**

RACGAP1 Mouse Monoclonal Antibody [Clone ID: OTI3A5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3A5
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:2000
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 123-238 of human RACGAP1 (NP_001119575) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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.
Gene Name:	Rac GTPase activating protein 1
Database Link:	NP_001119575 Entrez Gene 26934 Mouse Entrez Gene 315298 Rat Entrez Gene 711887 Monkey Entrez Gene 29127 Human Q9H0H5
Background:	This gene encodes a GTPase-activating protein (GAP) that is a component of the centralspindlin complex. This protein binds activated forms of Rho GTPases and stimulates GTP hydrolysis, which results in negative regulation of Rho-mediated signals. This protein plays a regulatory role in cytokinesis, cell growth, and differentiation. Alternatively spliced transcript variants have been found for this gene. There is a pseudogene for this gene on chromosome 12. [provided by RefSeq, Feb 2016]

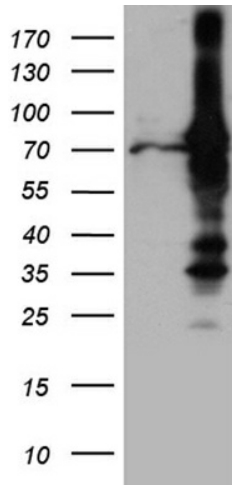


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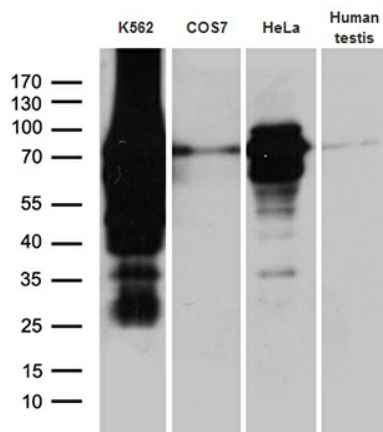
Synonyms: CYK4; HsCYK-4; ID-GAP; MgcRacGAP

Protein Families: Druggable Genome

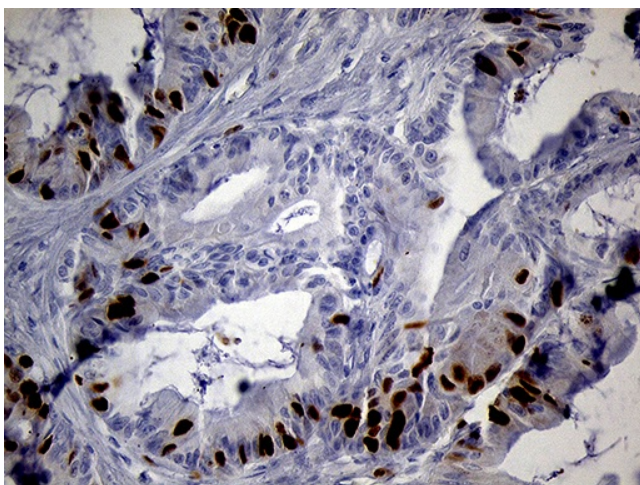
Product images:



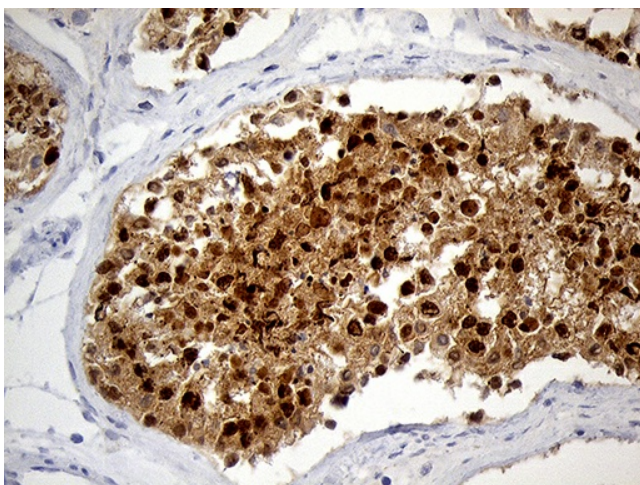
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RACGAP1 (Cat# [RC226045], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RACGAP1 (Cat# [TA811639])(1:2000). Positive lysates [LY426645] (100ug) and [LC426645] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 3 different cell lines and human testis tissue lysate by using anti-RACGAP1 monoclonal antibody (1:500).



Immunohistochemical staining of paraffin-embedded Carcinoma of Human spleen tissue within the normal limits using anti-RACGAP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811639]) (1:2000)



Immunohistochemical staining of paraffin-embedded Human testicle tissue within the normal limits using anti-RACGAP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811639]) (1:2000)