

## Product datasheet for **TA811641BM**

### **RACGAP1 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI4H8]**

#### **Product data:**

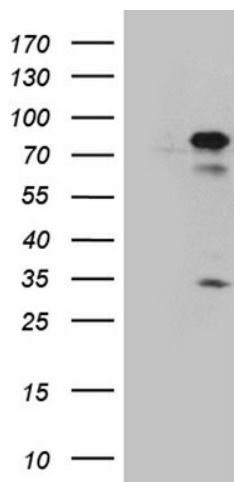
|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | OTI4H8  |
| Applications:         | IHC, WB   |
| Recommended Dilution: | WB 1:2000, IHC 1:500  |
| Reactivity:           | Human, Mouse, Rat   |
| Host:                 | Mouse   |
| Isotype:              | IgG1  |
| 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.   |
| Concentration:        | 0.5 mg/ml   |
| Purification:         | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:          | HRP   |
| 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:        | <a href="#">NP_001119575</a><br><a href="#">Entrez Gene 26934 Mouse</a> <a href="#">Entrez Gene 315298 Rat</a> <a href="#">Entrez Gene 29127 Human</a><br><a href="#">Q9H0H5</a>  |
| 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] |
| Synonyms:             | CYK4; HsCYK-4; ID-GAP; MgcRacGAP  |



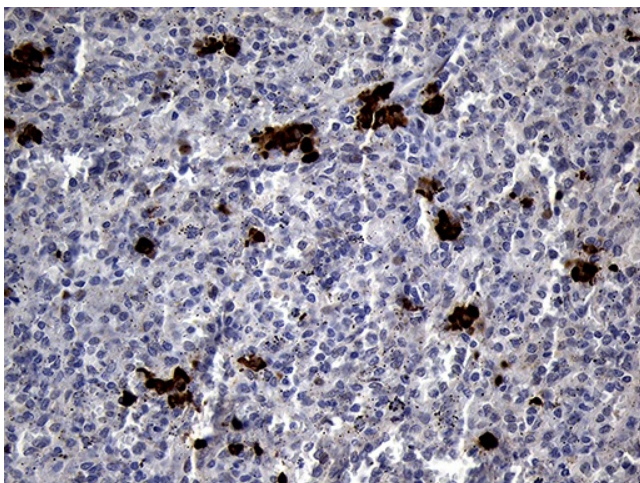
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Protein Families: Druggable Genome

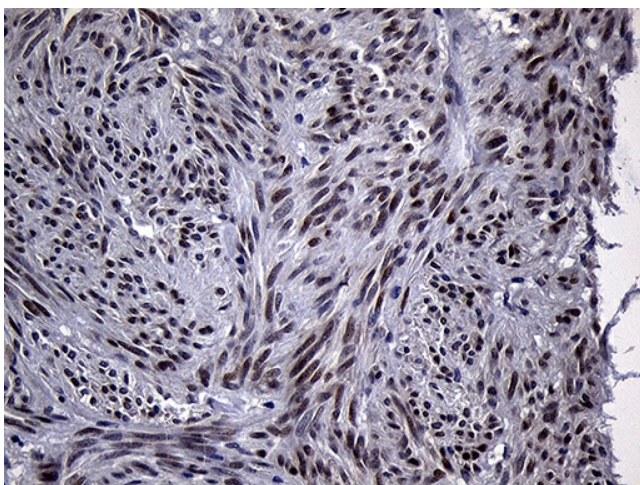
### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RACGAP1 ([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 (1:2000). Positive lysates [LY426645] (100ug) and [LC426645] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded 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, [TA811641]) (1:500)



Immunohistochemical staining of paraffin-embedded Human gastric stromal tumor tissue using anti-RACGAP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811641]) (1:500)