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srGAP3 Rabbit pAb

Catalog # AP97906

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O43295
Other Accession	O43295
Predicted	Rat, Human, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	124504
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human srGAP3
Epitope Specificity	201-300/1099
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Interacts with WASF1. Probably interacts with ROBO1. Interacts with FASLG.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	srGAP3 (SLIT ROBO Rho GTPase-activating protein 3) is a GTPase activating protein (GAP) for the small G protein Rac. It has a putative role in attenuating Rac1 signalling in neurons. srGAP3 is thought to act downstream of the Slit-Robo pathway, which regulates neuronal migration and axonal branching, and play an important role in axonal regeneration after axotomy. It also plays a putative role in severe mental retardation.

Additional Information

Gene ID	9901
Other Names	ARHGAP14; MEGAP; SRGAP2; WRP; D130026O08Rik; Gbi; mKIAA0411; RGD1563152; SRGP3_HUMAN; SRGAP3; Mental disorder-associated GAP; Rho GTPase-activating protein 14; WAVE-associated Rac GTPase-activating protein (WRP); KIAA0411; KIAA1156; SRGP3_MOUSE; SLIT-ROBO Rho GTPase activating protein 3; SLIT-ROBO Rho GTPase activating protein 2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SRGAP3
Synonyms	ARHGAP14, KIAA0411, KIAA1156, MEGAP, SRG
Function	GTPase-activating protein for RAC1 and perhaps Cdc42, but not for RhoA small GTPase. May attenuate RAC1 signaling in neurons.
Tissue Location	Highly expressed in adult and fetal brain. Expressed at low levels in kidney. Isoform 3 is expressed in the kidney but is absent in the brain.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.