



Anti-SRGAP2 (internal region) polyclonal antibody (DPAB-DC1088)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This locus encodes a member of the SLIT-ROBO Rho GTPase activating protein family. The encoded protein stimulates GTPase activity of Rac1, and plays a role in cortical neuron development. This locus has several paralogous loci on human chromosome 1, resulting from segmental duplication. While this locus itself is conserved among various species, the paralogs are found only in the genus Homo, and not in the genomes of non-human great apes. Alternatively spliced transcript variants have been described for this locus.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human SRGAP2. The sequence is C-KQEDRQTPRSPDST
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Tissue lysate), IF, ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SRGAP2 SLIT-ROBO Rho GTPase activating protein 2 [Homo sapiens (human)]
Official Symbol	SRGAP2
Synonyms	SRGAP2; SLIT-ROBO Rho GTPase activating protein 2; FNBP2; SRGAP3; SRGAP2A; ARHGAP34; SLIT-ROBO Rho GTPase-activating protein 2; formin-binding protein 2; rho GTPase-activating protein 34;
Entrez Gene ID	23380
Protein Refseq	NP_001164108
UniProt ID	B4DFE5
Chromosome Location	1q32.1
Pathway	Axon guidance; Inactivation of Cdc42 and Rac; Signal Transduction; Signaling by Robo receptor
Function	Rac GTPase activator activity; Rac GTPase binding; protein binding; protein homodimerization activity