



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 |