

## Anti-SRGAP2 Antibody

Catalog Number: A05125-1

### About SRGAP2

SLIT-ROBO Rho GTPase-activating protein 2 (SRGAP2) is also named as ARHGAP34, FNBP2, KIAA0456 and SRGAP2A. SRGAP2 plays important roles in axon guidance, neuronal migration, synapse formation, and nerve regeneration. SRGAP2 protein was first expressed in the retina of normal mice at the embryonic stage and was mainly located in the mature retinal ganglion cell layer and the inner nuclear layer (PMID: 37056152). SRGAP2 plays a key role in neuronal morphogenesis and migration mainly during development of the cerebral cortex (PMID: 20810653, PMID: 27373832, PMID: 28333212). SRGAP2 are critical for neuronal migration through inactivation of Rho GTPases Cdc42, Rac1, and RhoA (PMID: 20810653). SRGAP2A promotes synaptic maturation, and ultimately the synaptic accumulation of AMPA and GABAA receptors, by interacting with key components of both excitatory and inhibitory postsynaptic scaffolds, Homer and Gephyrin (PMID: 27373832).

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-SRGAP2 Antibody  |
| Reactive Species     | Human, Mouse  |
| Description          | Boster Bio Anti-SRGAP2 Antibody catalog # A05125-1. Tested in WB, IHC, IP, ELISA applications. This antibody reacts with Human, Mouse.  |
| Application          | ELISA, IP, IHC, WB  |
| Clonality            | Polyclonal  |
| Formulation          | 500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol<br>*This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used.<br>For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.  |
| Host                 | Rabbit  |
| Uniprot ID           | O75044  |

### Technical Details

|               |  |
|---------------|--|
| Immunogen     | E.coli-derived human SRGAP2 recombinant protein (Position: D786-1942). |
| Form          | Liquid   |
| Concentration | 500 ug/ml  |
| Purification  | Immunogen affinity purified.   |

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-400  
ELISA, 1:100-1000

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**Anti-SRGAP2 Antibody**

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