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SYNGAP1 (aa60-72) Antibody (N-Term)

Peptide-affinity purified goat antibody
Catalog # AF3640a

Specification

SYNGAP1 (aa60-72) Antibody (N-Term) - Product Information

Application	**WB**
Primary Accession	Q96PV0
Other Accession	NP_006763.2, 8831, 240057 (mouse), 192117 (rat)
Reactivity	**Mouse**
Predicted	**Human, Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**148284**

SYNGAP1 (aa60-72) Antibody (N-Term) - Additional Information

Gene ID 8831

Other Names
Ras/Rap GTPase-activating protein SynGAP, Neuronal RasGAP, Synaptic Ras GTPase-activating protein 1, Synaptic Ras-GAP 1, SYNGAP1, KIAA1938

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SYNGAP1 (aa60-72) Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

SYNGAP1 (aa60-72) Antibody (N-Term) - Protein Information

Name SYNGAP1

Synonyms KIAA1938

Function
Major constituent of the PSD essential for postsynaptic signaling. Inhibitory regulator of the Ras-cAMP pathway. Member of the NMDAR signaling complex in excitatory synapses, it may play a role in NMDAR-dependent control of AMPAR potentiation, AMPAR membrane trafficking and

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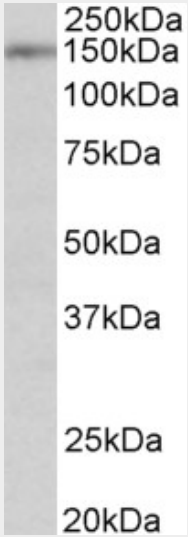
synaptic plasticity. Regulates AMPAR-mediated miniature excitatory postsynaptic currents. Exhibits dual GTPase-activating specificity for Ras and Rap. May be involved in certain forms of brain injury, leading to long-term learning and memory deficits (By similarity).

SYNGAP1 (aa60-72) Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SYNGAP1 (aa60-72) Antibody (N-Term) - Images



AF3640a (2 µg/ml) staining of Mouse Brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

SYNGAP1 (aa60-72) Antibody (N-Term) - References

SynGAP regulates synaptic strength and mitogen-activated protein kinases in cultured neurons. Rumbaugh G, Adams JP, Kim JH, Huganir RL. Proc Natl Acad Sci U S A. 2006 Mar 21;103(12):4344-51. 16537406