

SYNGAP1 (aa60-72) Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF3640a**Specification**

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

Application	WB, E
Primary Accession	Q96PV0
Other Accession	NP_006763.2 , 8831 , 240057 (mouse) , 192117 (rat)
Reactivity	Mouse
Predicted	Human, Rat, Pig, Dog
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

Dilution

WB~~1:1000

E~~N/A

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 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 Cytometry](#)
- [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