

SYNGAP1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15101**Specification**

SYNGAP1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q96PV0
Other Accession	NM_006772 , NP_006763
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	148kDa KDa

SYNGAP1 antibody - C-terminal region - Additional Information**Gene ID** 8831**Alias Symbol** DKFZp761G1421, KIAA1938, MRD5, RASA1, RASA5, SYNGAP**Other Names**

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-SYNGAP1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

SYNGAP1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SYNGAP1 antibody - C-terminal region - 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

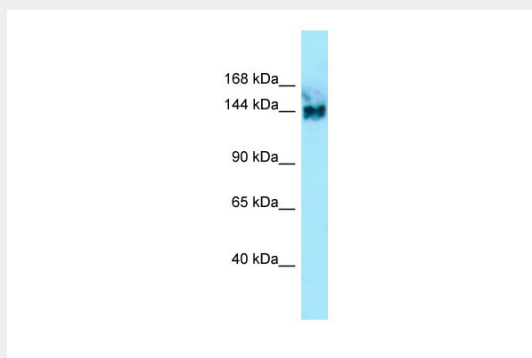
synaptic plasticity. Regulates AMPAR-mediated miniature excitatory postsynaptic currents. Exhibits dual GTPase-activating specificity for Ras and Rap. May be involved in certain forms of brain injury, leading to long-term learning and memory deficits (By similarity).

SYNGAP1 antibody - C-terminal region - 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 antibody - C-terminal region - Images



WB Suggested Anti-SYNGAP1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal kidney

SYNGAP1 antibody - C-terminal region - References

Nagase T., et al. DNA Res. 8:179-187(2001).
Mungall A.J., et al. Nature 425:805-811(2003).
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Krapivinsky G., et al. Neuron 43:563-574(2004).
Hamdan F.F., et al. N. Engl. J. Med. 360:599-605(2009).