

SYNGAP1 antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # AI15101

Product Information

Application WB
Primary Accession Q96PV0

Other Accession NM 006772, NP 006763

ReactivityHuman, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine **Predicted**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 148284

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.

Protein Information

Name SYNGAP1

Synonyms KIAA1938

Function Major constituent of the PSD essential for postsynaptic signaling. Inhibitory

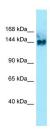
regulator of the Ras-cAMP pathway. Member of the NMDAR signaling complex in excitatory synapses, it may play a role in NMDAR-dependent control of AMPAR potentiation, AMPAR membrane trafficking and synaptic plasticity. Regulates AMPAR-mediated miniature excitatory postsynaptic currents. Exhibits dual 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).

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.