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Anti-SynGAP Rabbit Monoclonal Antibody

Catalog # ABO14589

Product Information

Application	WB, IF, ICC, FC
Primary Accession	Q96PV0
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-SynGAP Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

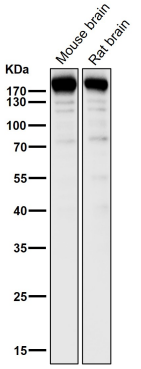
Gene ID	8831
Other Names	Ras/Rap GTPase-activating protein SynGAP, Neuronal RasGAP, Synaptic Ras GTPase-activating protein 1, Synaptic Ras-GAP 1, SYNGAP1, KIAA1938
Calculated MW	148284
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AEOC-19
Immunogen	A synthesized peptide derived from human SynGAP
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

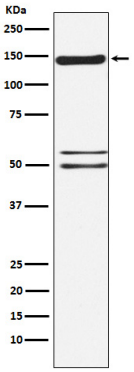
Name	SYNGAP1
Synonyms	KIAA1938
Function	Major constituent of the PSD essential for postsynaptic signaling. Inhibitory

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).

Images



All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



Western blot analysis of SynGAP expression in human fetal brain lysate.

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