

## SynGAP Rabbit mAb

Catalog No: #52040

Package Size: #52040-1 50ul #52040-2 100ul

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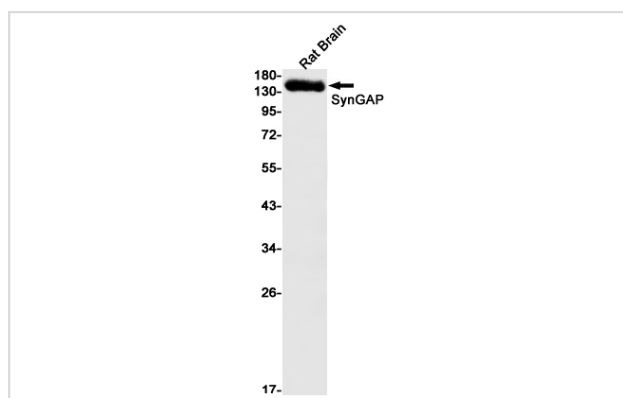
## Description

Product Name	SynGAP Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S03-4F4
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human SynGAP
Conjugates	Unconjugated
Modification	Unmodification
Other Names	MRD5; p135 SynGAP; RASA1; RASA5; SYNGAP1;
Accession No.	Swiss-Prot:Q96PV0GeneID:8831
Uniprot	Q96PV0
GeneID	8831
Calculated MW	Calculated MW: 148 kDa; Observed MW: 148 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

WB: 1/1000

## Images



Western blot detection of SynGAP in Rat Brain cell using SynGAP Rabbit mAb(1:1000 diluted).Predicted band size:148kDa.Observed band size:148kDa.

## Background

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Swiss-Prot Acc.Q96PV0.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).

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Note: This product is for in vitro research use only