

## Goat anti-SYNGAP1 (aa1169-1183) Antibody

<b>Item Number</b>	dAP-2537
<b>Target Molecule</b>	Principle Name: SYNGAP1 (aa1169-1183); Official Symbol: SYNGAP1; All Names and Symbols: SYNGAP1; synaptic Ras GTPase activating protein 1; DKFZp761G1421; KIAA1938; MRD5; RASA1; RASA5; SYNGAP; OTTHUMP00000209046; neuronal RasGAP; ras GTPase-activating protein SynGAP; synaptic Ras GTPase activating protein 1 homolog; synaptic Ras GTPase activa; Accession Number (s): NP_006763.2; Human Gene ID(s): 8831; Non-Human GeneID(s): 240057 (mouse) 192117 (rat)
<b>Immunogen</b>	ESAHIEREEYKLKEY, is from internal region (near C Terminus)
<b>Applications</b>	Pep ELISA, WB Species Tested: Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Approx 150kDa band observed in Mouse Brain lysates (calculated MW of 148kDa according to Human NP_006763.2 and Mouse XP_990642.3). Recommended concentration: 0.03-0.1µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Rumbaugh G, Adams JP, Kim JH, Huganir RL. SynGAP regulates synaptic strength and mitogen-activated protein kinases in cultured neurons. Proc Natl Acad Sci U S A. 2006 Mar 21;103(12):4344-51..16537406->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**