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Datasheet for ABIN2789829

anti-SYNGAP1 antibody (C-Term)

1 Image

Overview

Quantity:	100 µL
Target:	SYNGAP1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYNGAP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	EYKLKEYSKS MDESRLDRVK EYEEIHSK ERLHMSNRKL EEYERLLSQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against SYNGAP1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	SYNGAP1
Alternative Name:	SYNGAP1 (SYNGAP1 Products)
Background:	The protein encoded by this gene is a major component of the postsynaptic density (PSD), a

Target Details

group of proteins found associated with NMDA receptors at synapses. The encoded protein is phosphorylated by calmodulin-dependent protein kinase II and dephosphorylated by NMDA receptor activation. Defects in this gene are a cause of mental retardation autosomal dominant type 5 (MRD5).

Alias Symbols: DKFZp761G1421, KIAA1938, MRD5, RASA1, RASA5, SYNGAP

Protein Interaction Partner: SAAL1, DLGAP4, GRIN1, ULK1, ULK2, MPDZ, CAMK2A, TRIP6, DLG4, GRIN2D, DLG3, KDR, PDGFRB, GRIN2B,

Protein Size: 1343

Molecular Weight: 148 kDa

Gene ID: 8831

NCBI Accession: [NM_006772](#), [NP_006763](#)

UniProt: [Q96PV0](#)

Pathways: [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 1343 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

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

Preservative: Sodium azide

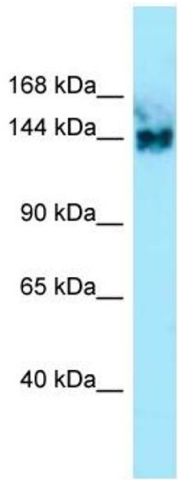
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Rabbit Anti-SYNGAP1 Antibody
Catalog Number: ARP64403
Lot Number: QC35046
Lane: Fetal Kidney Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 6-18%

Western Blotting

Image 1.