

SYAP1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17291b

Product Information

Application	WB, E
Primary Accession	Q96A49
Other Accession	NP_116185.2
Reactivity	Human
Predicted	Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36586
Calculated MW	39933
Antigen Region	210-238

Additional Information

Gene ID	94056
Other Names	Synapse-associated protein 1, SYAP1
Target/Specificity	This SYAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 210-238 amino acids from the C-terminal region of human SYAP1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SYAP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SYAP1 (HGNC:16273)
Function	Plays a role in adipocyte differentiation by promoting mTORC2-mediated phosphorylation of AKT1 at 'Ser-473' after growth factor stimulation (PubMed: 23300339).

Cellular Location	Cytoplasm, perinuclear region {ECO:0000250 UniProtKB:Q9D5V6}. Golgi apparatus {ECO:0000250 UniProtKB:Q9D5V6}. Perikaryon {ECO:0000250 UniProtKB:Q9D5V6}. Cell projection, axon {ECO:0000250 UniProtKB:Q9D5V6}. Cell projection, dendrite {ECO:0000250 UniProtKB:Q9D5V6}. Cell projection, growth cone {ECO:0000250 UniProtKB:Q9D5V6}. Presynaptic cell membrane {ECO:0000250 UniProtKB:Q9D5V6}. Postsynaptic cell membrane {ECO:0000250 UniProtKB:Q9D5V6}. Membrane Note=Localizes to cholinergic neuromuscular junctions and in actin-rich growth cone regions (By similarity). Membrane-associated in a epidermal growth factor (EGF)-dependent manner (PubMed:23300339) {ECO:0000250 UniProtKB:Q9D5V6, ECO:0000269 PubMed:23300339}
Tissue Location	Expressed in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas (PubMed:23300339)

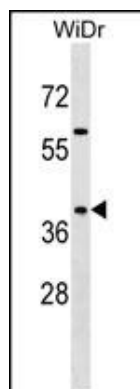
Background

Synapse-associated protein 1 is a protein that in humans is encoded by the SYAP1 gene.

References

Olsen, J.V., et al. Cell 127(3):635-648(2006)
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Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
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Images



SYAP1 Antibody (C-term) (Cat. #AP17291b) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the SYAP1 antibody detected the SYAP1 protein (arrow).

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