

Rabbit anti-Human, Mouse Oligophrenin 1 Polyclonal Antibody | anti-OPHN1 antibody

Oligophrenin 1 Antibody

CATALOG # AAA323257	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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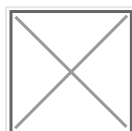
PRODUCT SYNONYMS

Oligophrenin 1; Polyclonal Antibody; Oligophrenin 1 Antibody; ARHGAP41; Mental retardation; X linked 60; MRX60; Rho GTPase activating protein; OPN1; anti-OPHN1 antibody

PRODUCT SPECIFICATIONS

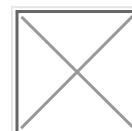
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Oligophrenin 1 antibody detects endogenous levels of Oligophrenin 1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	802
Applicable Applications for anti-OPHN1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Oligophrenin 1.
Tissue Specificity	Expressed in brain.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA323257 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of mouse brain tissue, using Oligophrenin 1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OPHN1 antibody	Function: Stimulates GTP hydrolysis of members of the Rho family. Its action on RHOA activity and signaling is implicated in growth and stabilization of dendritic spines, and therefore in synaptic function. Critical for the stabilization of AMPA receptors at postsynaptic sites. Critical for the regulation of synaptic vesicle endocytosis at presynaptic terminals. Required for the localization of NR1D1 to dendrites, can suppress its repressor activity and protect it from proteasomal degradation (By similarity). Subunit Structure: Interacts with HOMER1. Interacts with AMPA receptor complexes. Interacts with SH3GL2 (endophilin-A1) (By similarity). Interacts (via C-terminus) with NR1D1 (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505507
NCBI GeneID	4983
NCBI Accession #	NP_002538.1
NCBI GenBank Nucleotide #	NM_002547.2
UniProt Accession #	O60890; Q5JQ81; Q6PCC1; Q8WX47; B9EIP8
Molecular Weight	Observed: 92 kDa Predicted: 92 kDa
NCBI Official Full Name	oligophrenin-1
NCBI Official Synonym Full Names	oligophrenin 1
NCBI Official Symbol	OPHN1
NCBI Official Synonym Symbols	OPN1; MRX60; ARHGAP41
NCBI Protein Information	oligophrenin-1
UniProt Protein Name	Oligophrenin-1
UniProt Gene Name	OPHN1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/oligophrenin-1-antibody-immunohistochemistry-western-blot-elisa/323257>