

Rabbit KIDINS220 Polyclonal Antibody | anti-KIDINS220 antibody

KIDINS220 Antibody

CATALOG # AAA323239	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

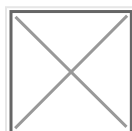
PRODUCT SYNONYMS

KIDINS220; Polyclonal Antibody; KIDINS220 Antibody; Ankyrin repeat-rich membrane-spanning protein; arms; KDIS_HUMAN; kidins220; Kinase D interacting substance of 220 kDa; Kinase D-interacting substrate of 220 kDa; rgd 619949; anti-KIDINS220 antibody

PRODUCT SPECIFICATIONS

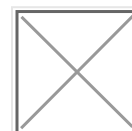
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KIDINS220 antibody detects endogenous levels of KIDINS220.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1771
Applicable Applications for anti-KIDINS220 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KIDINS220.
Subcellular Location	Membrane.
Tissue Specificity	Abundant in developing and adult neural tissues as well as neuroendocrine cells and dendritic cells. Overexpressed in melanoma and melanoma cell lines.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA323239 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 Raji cells, using KIDINS220 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KIDINS220 antibody	<p>Function: Promotes a prolonged MAP-kinase signaling by neurotrophins through activation of a Rap1-dependent mechanism. Provides a docking site for the CRKL-C3G complex, resulting in Rap1-dependent sustained ERK activation. May play an important role in regulating postsynaptic signal transduction through the syntrophin-mediated localization of receptor tyrosine kinases such as EPHA4. In cooperation with SNTA1 can enhance EPHA4-induced JAK/STAT activation. Plays a role in nerve growth factor (NGF)-induced recruitment of RAPGEF2 to late endosomes and neurite outgrowth. May play a role in neurotrophin-and ephrin-mediated neuronal outgrowth and in axon guidance during neural development and in neuronal regeneration (By similarity). Modulates stress-induced apoptosis of melanoma cells via regulation of the MEK/ERK signaling pathway.</p> <p>Subunit Structure: Found in a complex, at least composed of KIDINS220, MAGI2, NTRK1 and RAPGEF2; the complex is mainly formed at late endosomes in a nerve growth factor (NGF)-dependent manner. Interacts with RAPGEF2; the interaction is strengthened after NGF stimulation. Isoform 2 interacts (via C-terminal domain) with MAGI2 isoform 1 (via PDZ domain). Interacts with NTRK1, NTRK2, NTRK3, ERKL and NGFR. Can form a ternary complex with NGFR and NTRK1 and this complex is affected by the expression levels of KIDINS220/ARMS. An increase in KIDINS220/ARMS expression leads to a decreased association of NGFR and NTRK1. Interacts (via PDZ-binding motif) with SNTA1 and SNTB2 (via PDZ domains). Interacts with EPHA4 and PRKD1.</p> <p>Post-translational Modifications: Tyrosine phosphorylated by NTRK1, NTRK2, EPHB2 and EPHA4. Phosphorylation at Ser-918 is induced by phorbol ester treatment. Phosphorylation by NTRK2 is induced by brain-derived neurotrophic factor (BDNF) and neurotrophin-4/5. Phosphorylation by NTRK1 is induced by nerve growth factor (NGF) (By similarity).</p> <p>Similarity: The transmembrane domain mediates interaction with NTRK1.</p>
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	55741641
NCBI GeneID	57498
NCBI Accession #	NP_065789.1
NCBI GenBank Nucleotide #	NM_020738.3
UniProt Accession #	Q9ULH0; Q4VC08; Q6MZU2; Q9H889; Q9H9E4; Q9NT37; Q9UF42; A1L4N4
Molecular Weight	Observed: 186-197 kDa Predicted: 197 kDa
NCBI Official Full Name	kinase D-interacting substrate of 220 kDa isoform 1
NCBI Official Synonym Full Names	kinase D interacting substrate 220
NCBI Official Symbol	KIDINS220
NCBI Official Synonym Symbols	ARMS; SINO
NCBI Protein Information	kinase D-interacting substrate of 220 kDa
UniProt Protein Name	Kinase D-interacting substrate of 220 kDa
UniProt Gene Name	KIDINS220
UniProt Synonym Gene Names	ARMS; KIAA1250

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.