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KIDINS220 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16256b

Product Information

Application	WB, E
Primary Accession	Q9ULH0
Other Accession	NP_065789.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35374
Calculated MW	196542
Antigen Region	1518-1547

Additional Information

Gene ID	57498
Other Names	Kinase D-interacting substrate of 220 kDa, Ankyrin repeat-rich membrane-spanning protein, KIDINS220, ARMS, KIAA1250
Target/Specificity	This KIDINS220 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1518-1547 amino acids from the C-terminal region of human KIDINS220.
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	KIDINS220 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KIDINS220
Synonyms	ARMS, KIAA1250

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.
Cellular Location	Membrane; Multi-pass membrane protein. Late endosome. Note=Localized at late endosome before or after nerve growth factor (NGF) stimulation
Tissue Location	Abundant in developing and adult neural tissues as well as neuroendocrine cells and dendritic cells. Overexpressed in melanoma and melanoma cell lines.

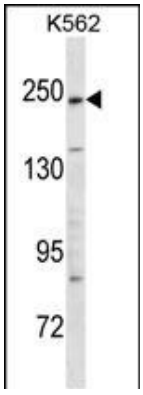
Background

KIDINS220 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. 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.

References

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Images



KIDINS220 Antibody (C-term) (Cat. #AP16256b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the KIDINS220 antibody detected the KIDINS220 protein (arrow).

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