

**KIDINS220 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16256b****Specification**

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**KIDINS220 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9ULH0</a>
Other Accession	<a href="#">NP_065789.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	196542
Antigen Region	1518-1547

**KIDINS220 Antibody (C-term) - 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

**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.

**KIDINS220 Antibody (C-term) - 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**

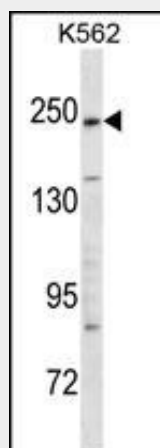
Abundant in developing and adult neural tissues as well as neuroendocrine cells and dendritic cells. Overexpressed in melanoma and melanoma cell lines.

### **KIDINS220 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **KIDINS220 Antibody (C-term) - 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).

### **KIDINS220 Antibody (C-term) - 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.

#### **KIDINS220 Antibody (C-term) - References**

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