

**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

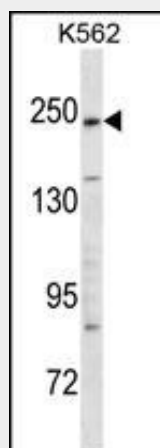
Abundant in developing and adult neural tissues as well as neuroendocrine cells and dendritic cells. Overexpressed in melanoma and melanoma cell lines.

### 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**

Wu, Z., et al. J. Biol. Chem. 283(42):28198-28215(2008)  
Sniderhan, L.F., et al. Mol. Cell. Neurosci. 38(3):404-416(2008)  
Li, J., et al. J. Biol. Chem. 283(5):2614-2621(2008)  
Liao, Y.H., et al. Cancer Res. 67(24):11547-11556(2007)  
Bracale, A., et al. Mol. Biol. Cell 18(1):142-152(2007)