

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

Synthetic peptide

Catalog # BP16256b

**Specification**

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

Primary Accession

[Q9ULH0](#)**KIDINS220 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 57498

**Other Names**

Kinase D-interacting substrate of 220 kDa, Ankyrin repeat-rich membrane-spanning protein, KIDINS220, ARMS, KIAA1250

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**KIDINS220 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **KIDINS220 Antibody (C-term) Blocking Peptide - Images**

### **KIDINS220 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)