10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MINK1 Polyclonal Antibody
Catalog # AP70947

Specification

MINK1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q8N4C8
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**

MINK1 Polyclonal Antibody - Additional Information

Gene ID 50488

Other Names
MINK1; B55; MAP4K6; MINK; YSK2; ZC3; Misshapen-like kinase 1; GCK family kinase MiNK; MAPK/ERK kinase kinase kinase 6; MEK kinase kinase 6; MEKKK 6; Misshapen/NIK-related kinase; Mitogen-activated protein kinase kinase kinase kinase 6

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

MINK1 Polyclonal Antibody - Protein Information

Name MINK1 (HGNC:17565)

Function
Serine/threonine kinase which acts as a negative regulator of Ras-related Rap2-mediated signal transduction to control neuronal structure and AMPA receptor trafficking (PubMed:10708748, PubMed:16337592). Required for normal synaptic density, dendrite complexity, as well as surface AMPA receptor expression in hippocampal neurons (By similarity). Can activate the JNK and MAPK14/p38 pathways and mediates stimulation of the stress-activated protein kinase MAPK14/p38 MAPK downstream of the Raf/ERK pathway. Phosphorylates TANC1 upon stimulation by RAP2A, MBP and SMAD1 (PubMed:18930710, PubMed:21690388). Has an essential function in negative selection of thymocytes, perhaps by coupling NCK1 to activation of JNK1 (By similarity). Activator of the Hippo signaling pathway which plays a pivotal

role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. MAP4Ks act in parallel to and are partially redundant with STK3/MST2 and STK4/MST2 in the phosphorylation and activation of LATS1/2, and establish MAP4Ks as components of the expanded Hippo pathway (PubMed:26437443).

Cellular Location
Cytoplasm. Postsynaptic density. Cell projection, axon. Cell projection, dendrite

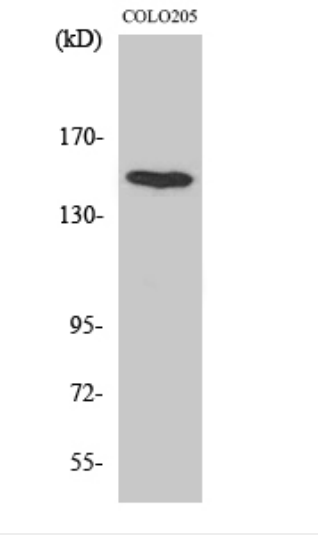
Tissue Location
Expressed in the brain, isoform 2 is more abundant than isoform 1. Isoform 3 is ubiquitously expressed. Isoform 1 is most abundant in the skeletal muscle. Isoform 4 is ubiquitously expressed with relative high levels in brain, skeletal muscle, pancreas and testis.

MINK1 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MINK1 Polyclonal Antibody - Images



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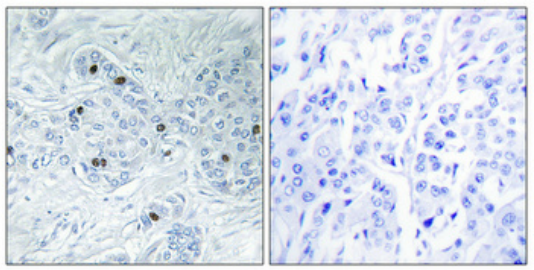

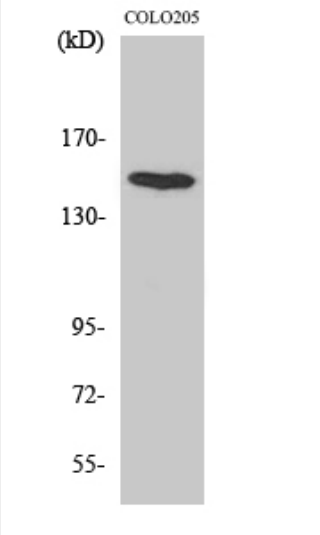

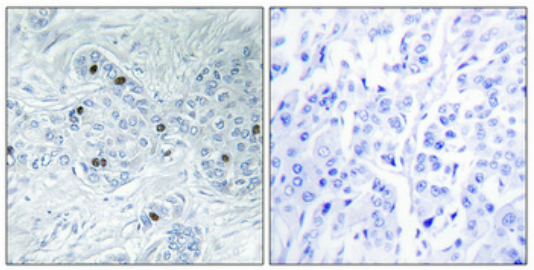

MINK1 Polyclonal Antibody - Background

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