

Rabbit anti-Human MINK1 Polyclonal Antibody | anti-MINK1 antibody

MINK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322554	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

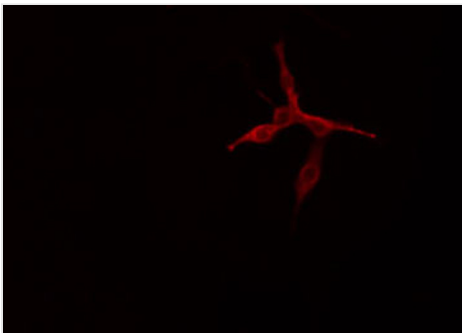
PRODUCT SYNONYMS

MINK1; Polyclonal Antibody; MINK1 Antibody; B55; GCK family kinase MiNK; hMINK; Map4k6; MAPK/ERK kinase kinase kinase 6; MEK (MAP/ERK) kinase kinase 6; MEK kinase kinase 6; MEKKK6; MGC21111; MINK 1; MINK; Misshapen like kinase 1; Misshapen NIKs Related kinase; Misshapen/NIK related kinase; Mitogen activated protein kinase kinase kinase kinase 6; RP23-122P1.6; Ysk2; ZC3; anti-MINK1 antibody

PRODUCT SPECIFICATIONS

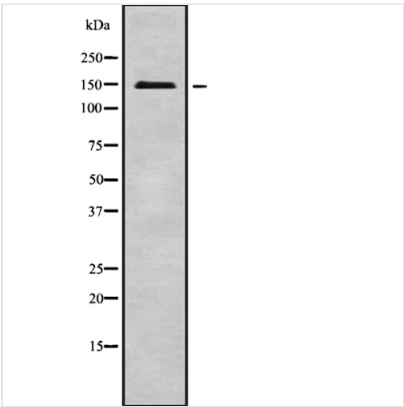
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MINK1 antibody detects endogenous levels of total MINK1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1312
Applicable Applications for anti-MINK1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MINK1
Subcellular Location	Cytoplasm. Cell Junction; Synapse; Postsynaptic Cell Membrane; Postsynaptic Density. Cell Projection; Axon. Cell Projection; Dendrite. Isoform 4: Golgi apparatus
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (82%), Bovine (100%), Horse (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322554 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of MINK1 using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MINK1 antibody

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. Required for normal synaptic density, dendrite complexity, as well as surface AMPA receptor expression in hippocampal neurons. 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. Has an essential function in negative selection of thymocytes, perhaps by coupling NCK1 to activation of JNK1. Subunit Structure: Interacts with TANC1 (By similarity). Interacts with RAP2A. Isoform 4 interacts with NCK1. Post-translational Modifications: Autophosphorylated. Similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68161546
NCBI GeneID	50488
NCBI Accession #	NP_001020108.1
NCBI GenBank Nucleotide #	NM_001024937.3
UniProt Accession #	Q8N4C8; Q5U8Z0; Q9P1X1; Q9P2R8; D3DTK3; D3DTK4
Molecular Weight	Observed: 150 kDa Predicted: 150 kDa
NCBI Official Full Name	misshapen-like kinase 1 isoform 4
NCBI Official Synonym Full Names	misshapen like kinase 1
NCBI Official Symbol	MINK1
NCBI Official Synonym Symbols	B55; ZC3; MINK; YSK2; MAP4K6
NCBI Protein Information	misshapen-like kinase 1
UniProt Protein Name	Misshapen-like kinase 1
UniProt Gene Name	MINK1
UniProt Synonym Gene Names	MEK kinase kinase 6; MEKKK 6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

