

Rabbit MOK Polyclonal Antibody | anti-MOK antibody

Phospho-MOK (Tyr161) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329735	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (82%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MOK; Polyclonal Antibody; Phospho-MOK (Tyr161) Antibody; Antigen recognized by autologous cytolytic T lymphocytes; EC 2.7.11.22; LE 9211 A antigen; MAPK/MAK/MRK overlapping kinase; MOK protein kinase; MOK_HUMAN; RAGE 1; RAGE; RAGE-1; RAGE1; Renal cell carcinoma antigen (MOK protein kinase); Renal tumor antigen 1; Renal tumor antigen; STK30; anti-MOK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (82%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-MOK (Tyr161) Antibody detects endogenous levels of MOK only when phosphorylated at Tyr161. Tissue Specificity: Expressed in heart, brain, lung, kidney, and pancreas, and at very low levels in placenta, liver and skeletal muscle. Detected in retina.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MOK antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MOK around the phosphorylation site of Tyr161.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Autophosphorylated.
Similarity	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.
Subcellular Location	Cytoplasm. Cell projection>Cilium. Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)

At 1/200 staining Mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)

Staining Rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of MOK (Phospho-Tyr161) using Mouse brain tissue lysates.-/+ means absence or presence of N peptide¼ non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-MOK antibody	Able to phosphorylate several exogenous substrates and to undergo autophosphorylation. Negatively regulates cilium length in a cAMP and mTORC1 signaling-dependent manner.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	436408722
NCBI GeneID	5891
NCBI Accession #	NP_001258940.1
NCBI GenBank Nucleotide #	NM_001272011.1
UniProt Accession #	Q9UQ07; Q92790; Q93067
Molecular Weight	48,014 Da
NCBI Official Full Name	MAPK/MAK/MRK overlapping kinase isoform 2
NCBI Official Synonym Full Names	MOK protein kinase
NCBI Official Symbol	MOK
NCBI Official Synonym Symbols	RAGE; RAGE1; RAGE-1
NCBI Protein Information	MAPK/MAK/MRK overlapping kinase; renal tumor antigen 1; renal cell carcinoma antigen
UniProt Protein Name	MAPK/MAK/MRK overlapping kinase
UniProt Gene Name	MOK
UniProt Synonym Gene Names	RAGE; RAGE1; RAGE-1
UniProt Entry Name	MOK_HUMAN

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.