

Rabbit MAK Polyclonal Antibody | anti-MAK antibody

Phospho-MAK (Thr1579) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328411	Rabbit	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus	ELISA, Immunohistochemistry, Western Blot

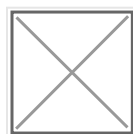
PRODUCT SYNONYMS

MAK; Polyclonal Antibody; Phospho-MAK (Thr1579) Antibody; intestinal cell kinase; dJ417M14.2; fj04c02; lck; Mak; MAK_HUMAN; Male germ cell associated kinase; Male germ cell-associated kinase; male germ cell-associated kinase retinal-enriched isoform; OTTHUMP00000016025; Rck; RP62; Serine/threonine protein kinase MAK; Serine/threonine-protein kinase MAK; testicular secretory protein Li 28; wu:fj04c02; zgc:56603; anti-MAK antibody

PRODUCT SPECIFICATIONS

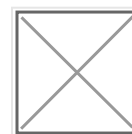
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-MAK (Thr1579) Antibody detects endogenous levels of MAK only when phosphorylated at Thr1579.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
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	583
Applicable Applications for anti-MAK antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAK around the phosphorylation site of Thr1579.
Tissue Specificity	Expressed in prostate cancer cell lines at generally higher levels than in normal prostate epithelial cell lines. Isoform 1 is expressed in kidney, testis, lung, trachea, and retina. Isoform 2 is retina-specific where it is expressed in rod and cone photoreceptors.
Subcellular Location	Nucleus; Cytoskeleton
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-MAK (Thr1579) in lysates of HepG2, using Phospho-MAK (Thr1579) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining human 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



IHC (Immunohistochemistry)

At 1/100 staining rat lung 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



IHC (Immunohistochemistry)

At 1/100 staining mouse lung 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

ADDITIONAL INFORMATION

Related Product Information for anti-MAK antibody

Description: Essential for the regulation of ciliary length and required for the long-term survival of photoreceptors (By similarity). Phosphorylates FZR1 in a cell cycle-dependent manner. Plays a role in the transcriptional coactivation of AR. Could play an important function in spermatogenesis. May play a role in chromosomal stability in prostate cancer cells.

Post Translational Modifications: Autophosphorylated. Phosphorylated on serine and threonine residues.

Subunit Structure: Interacts with RP1 (By similarity). Interacts with AR and CDK20. Found in a complex containing MAK, AR and NCOA3. Interacts with FZR1 (via WD repeats).

Similarity: Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	334724436
NCBI GeneID	4117
NCBI Accession #	NP_001229314.1
NCBI GenBank Nucleotide #	NP_001229314.1
UniProt Accession #	P20794
Molecular Weight	Observed: 70 kDa Predicted: 71 kDa
NCBI Official Full Name	serine/threonine-protein kinase MAK isoform 2
NCBI Official Synonym Full Names	male germ cell associated kinase
NCBI Official Symbol	MAK
NCBI Official Synonym Symbols	RP62
NCBI Protein Information	serine/threonine-protein kinase MAK
UniProt Protein Name	Serine/threonine-protein kinase MAK
UniProt Gene Name	MAK
UniProt Entry Name	MAK_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mak-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328411>