

Rabbit MAK Polyclonal Antibody | anti-MAK antibody

MAK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327594	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

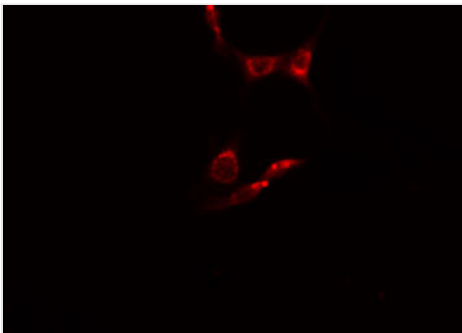
PRODUCT SYNONYMS

MAK; Polyclonal Antibody; MAK 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

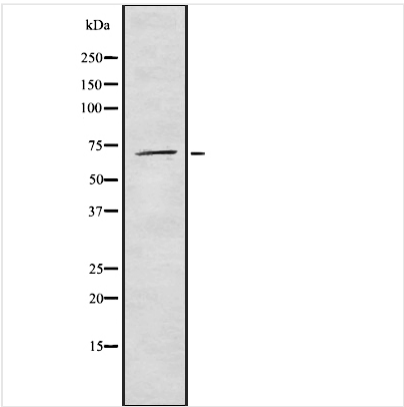
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAK antibody detects endogenous levels of total MAK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	583
Applicable Applications for anti-MAK antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAK
Subcellular Location	Nucleus. Cytoplasm > Cytoskeleton > Centrosome. Cytoplasm > Cytoskeleton > Spindle. Midbody. Cell projection > Cilium > Photoreceptor Outer Segment. Photoreceptor Inner Segment. Localized in both the connecting cilia and the outer segment axonemes (By similarity). Localized uniformly in nuclei during interphase, to the mitotic spindle and centrosomes during metaphase and anaphase, and also to midbody at anaphase until telophase.
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.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327594 staining HepG2 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 MAK using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MAK antibody

Function: 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.

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).

Post-translational Modifications: Autophosphorylated. Phosphorylated on serine and threonine residues.

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 #	NM_001242385.1
UniProt Accession #	P20794; Q547D0; Q9NUH7; F1T0K6; G1FL29
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

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.