

MAK (Phospho Tyr159) Rabbit pAb

CatalogNo: YP0423

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 85kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**ELISA 1:40000****Not yet tested in other applications.**

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human MAK around the phosphorylation site of Tyr159. AA range:126-175

Specificity

Phospho-MAK (Y159) Polyclonal Antibody detects endogenous levels of MAK protein only when phosphorylated at Y159. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):TDyVS

Target Information

Gene name MAK

Protein Name Serine/threonine-protein kinase MAK

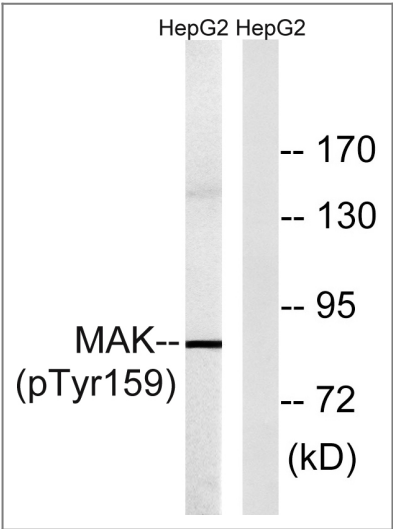
Organism	Gene ID	UniProt ID
Human	4117 ;	P20794 ;
Mouse	17152 ;	Q04859 ;
Rat	25677 ;	P20793 ;

Cellular Localization Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, 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.

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,Function:Could play an important function in spermatogenesis.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Expressed mainly in testicular cells at and after meiosis.,

Validation Data



Western blot analysis of lysates from HepG2 cells treated with PMA 125ng/ml 30', using MAK (Phospho-Tyr159) Antibody. The lane on the right is blocked with the phospho peptide.

| Contact information

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**MAK (Phospho
Tyr159) Rabbit pAb**

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