

## MAK (phospho Tyr159) Polyclonal Antibody

Catalog No: YP0423

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: MAK

Gene Name: MAK

**Protein Name:** Serine/threonine-protein kinase MAK

P20794

Q04859

Human Gene Id: 4117

**Human Swiss Prot** 

No:

Mouse Gene Id: 17152

**Mouse Swiss Prot** 

No:

Rat Gene ld: 25677

Rat Swiss Prot No: P20793

**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.

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

Source: Polyclonal, Rabbit, IgG

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

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



**Concentration**: 1 mg/ml

**Storage Stability :** \_-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 85kD

**Background:** The product of this gene is a serine/threonine protein kinase related to kinases

involved in cell cycle regulation. Studies of the mouse and rat homologs have localized the kinase to the chromosomes during meiosis in spermatogenesis,

specifically to the synaptonemal complex that exists while homologous

chromosomes are paired. Mutations in this gene have been associated with ciliary defects resulting in retinitis pigmentosa 62. Alternative splicing results in multiple

transcript variants. [provided by RefSeq, Jan 2016],

**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.,

Subcellular Location:

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. .

**Expression:** 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.

Tag: orthogonal

**Sort :** 9342

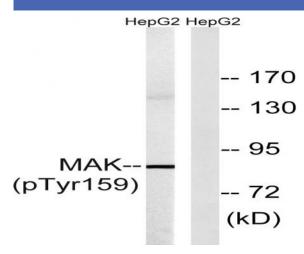
**No4:** 1

Host: Rabbit

Modifications: Phospho



## **Products Images**



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.