
Product Name: MAK Rabbit Polyclonal Antibody**Catalog #: APRab13602**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight	71kDa

Antigen Information

Gene Name	MAK
Alternative Names	MAK; Serine/threonine-protein kinase MAK; Male germ cell-associated kinase
Gene ID	4117.0
SwissProt ID	P20794
Immunogen	The antiserum was produced against synthesized peptide derived from human MAK. AA range:126-175

Background

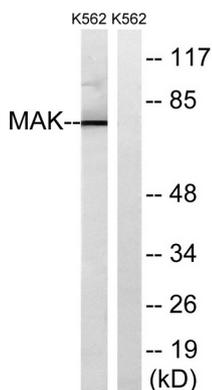
The product of this gene is a serine/threonine protein kinase related to kinases involved in cell cycle regulation. Studies of the

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],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.,

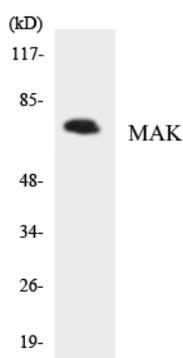
Research Area

Signal Transduction; Protein Phosphorylation; Ser / Thr Kinases; Other Kinases

Image Data



Western blot analysis of lysates from K562 cells, using MAK Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using MAK antibody.