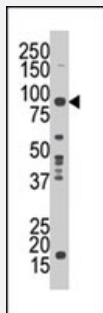


MAK polyclonal antibody

Catalog # PAB2941

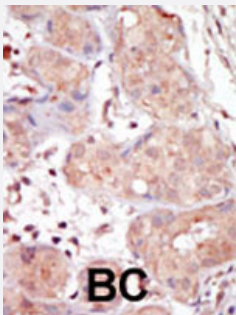
Size 400 uL

Applications



Western Blot

Western blot analysis of MAK polyclonal antibody (Cat # PAB2941) in HL-60 cell lysate (Lane 1) and mouse brain tissue lysate (Lane 2) . MAK (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with MAK polyclonal antibody (Cat # PAB2941) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAK.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MAK.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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Gene Info — MAK

Entrez GeneID	4117
Protein Accession#	P20794
Gene Name	MAK
Gene Alias	dJ417M14.2
Gene Description	male germ cell-associated kinase
Omim ID	154235
Gene Ontology	Hyperlink

Gene Summary

The product of this gene is a serine/threonine protein kinase related to kinases involved in cell cycle regulation. It is expressed almost exclusively in the testis, primarily in germ cells. 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. There is, however, a study of the mouse homolog that has identified high levels of expression in developing sensory epithelia so its function may be more generalized. [provided by RefSeq]

Other Designations

OTTHUMP00000016025|serine/threonine protein kinase MAK

Publication Reference

- [Identification of human male germ cell-associated kinase, a kinase transcriptionally activated by androgen in prostate cancer cells.](#)

Xia L, Robinson D, Ma AH, Chen HC, Wu F, Qiu Y, Kung HJ.

The Journal of Biological Chemistry 2002 Sep; 277(38):35422.

- [Mouse Mak gene for male germ cell-associated kinase maps to chromosome 13.](#)

Taketo M, Jinno A, Yamaguchi S, Matsushime H, Shibuya M, Seldin MF.

Genomics 1994 Jan; 19(2):397.

Application: WB-Ce, WB-Tr, Human, Mouse, Mammalian cells

- [Testis-specific mak protein kinase is expressed specifically in the meiotic phase in spermatogenesis and is associated with a 210-kilodalton cellular phosphoprotein.](#)

Jinno A, Tanaka K, Matsushime H, Haneji T, Shibuya M.

Molecular and Cellular Biology 1993 Jul; 13(7):4146.