

Datasheet for ABIN2775329
anti-MAK antibody (C-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	MAK
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Rabbit, Cow, Dog, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human MAK
Sequence:	WNTKTGRGQF SGRTYNPTAK NLNIVNRAQP IPSVHGRTDW VAKYGGHR
Predicted Reactivity:	Cow: 93%, Dog: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 93%, Rabbit: 86%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against MAK. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MAK
Alternative Name:	MAK (MAK Products)

Target Details

Background:	<p>MAK 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. 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.</p> <p>Alias Symbols: dJ417M14.2, RP62</p> <p>Protein Interaction Partner: MAK, SLAMF7, SERINC1, ANAPC11, SND1, PPP2CB, NDUFB7, APP, FZR1, CDK20,</p> <p>Protein Size: 623</p>
-------------	--

Molecular Weight:	70 kDa
-------------------	--------

Gene ID:	4117
----------	------

NCBI Accession:	NM_005906 , NP_005897
-----------------	---

UniProt:	P20794
----------	------------------------

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
--------------------	--

Comment:	Antigen size: 623 AA
----------	----------------------

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

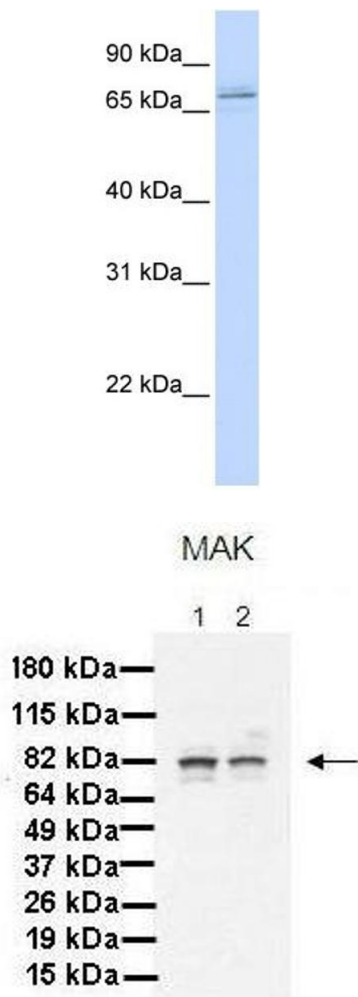
Concentration:	Lot specific
----------------	--------------

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
---------	---

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



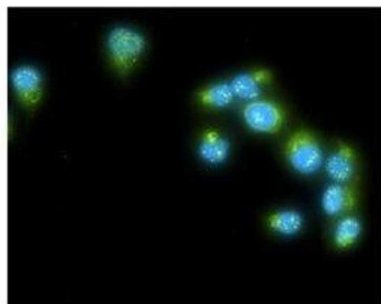
Western Blotting

Image 1. WB Suggested Anti-MAK Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Hela cell lysate

Western Blotting

Image 2. Lanes: 1. 30 ug MiaPaca-2 cell lysate 2. 30 ug Panc-1 cell lysate Primary Antibody Dilution: 1:1000 Secondary Antibody: Goat anti-Rabbit HRP Secondary Antibody Dilution: 1:4000 Gene Name: MAK Submitted by: Dr. Crissy Dudgeon, Ph.D., CINJ

MAK



Green: MAK
Blue: DAPI

See IHC 1 Data and Customer Feedback for more information

Immunohistochemistry

Image 3. Sample Type : Human lung adenocarcinoma cell line A549 Primary Antibody Dilution : 1:100 Secondary Antibody : Goat anti-rabbit AlexaFluor 488 Secondary Antibody Dilution : 1:400 Color/Signal Descriptions : MAK: Green DAPI:Blue Gene Name : MAK Submitted by : Dr. Crissy Dudgeon, Ph.D., CINJ