



## Mouse anti-Human MAK monoclonal antibody, clone 4F6 (CABT-B10610)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Immunogen</b>	MAK (AAH39825, 358 a.a. ~ 457 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4F6
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IF, sELISA, ELISA
<b>Sequence Similarities</b>	PPKQQSQEKPPQTLFPSIVKNMPTKPNGLSHKSGRRWGQTIKFSGDSWEELDYDFGA SHSKKPSMGVFKEKRKKDSPFRQQVKMAVISLSAHQFPTL
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### BACKGROUND

<b>Introduction</b>	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
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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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]

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<b>Keywords</b>	MAK; male germ cell-associated kinase; RP62; dJ417M14.2; serine/threonine-protein kinase MAK; serine/threonine protein kinase MAK; male germ cell-associated kinase retinal-enriched isoform;
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">4117</a>
<b>UniProt ID</b>	<a href="#">E1T0K6</a>
<b>Pathway</b>	Coregulation of Androgen receptor activity, organism-specific biosystem
<b>Function</b>	ATP binding; ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity, transferring phosphorus-containing groups

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