



# PDE8A mouse mAb

<b>Catalog No</b>	BYmab-18177
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	PDE8A
<b>Protein Name</b>	High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A (EC 3.1.4.17)
<b>Immunogen</b>	Synthesized peptide derived from human PDE8A
<b>Specificity</b>	This antibody detects endogenous levels of PDE8A at Human, Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	91kD
<b>Cell Pathway</b>	Expressed in most tissues except thymus and peripheral blood leukocytes. Highest levels in testis, ovary, small intestine and colon.
<b>Tissue Specificity</b>	
<b>Function</b>	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes . May be involved in maintaining basal levels of the cyclic nucleotide and/or in the cAMP regulation of germ cell development . Binding to RAF1 reduces RAF1 'Ser-259' inhibitory-phosphorylation and stimulates RAF1-dependent EGF-activated ERK-signaling . Protects against cell death induced by hydrogen peroxide and staurosporine .
<b>Background</b>	

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**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images