



PDE4A mouse mAb

Catalog No	YP-mAb-18210
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PDE4A DPDE2
Immunogen	Synthesized peptide derived from human PDE4A AA range:530-580
Specificity	This antibody detects endogenous levels of PDE4A at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DPDE2;PDE4;PDE46;PDE4A;PDE4A DPDE2;cAMP-specific 3';5'-cyclic phosphodiesterase 4A (EC 3.1.4.17) (DPDE2) (PDE46)
Observed Band	125-130 kDa
Calculated Molecular Weight	98 kDa
Cell Pathway	[Isoform 1]: Cytoplasm, perinuclear region .; [Isoform 2]: Cytoplasm, perinuclear region . Cell projection, ruffle membrane .; [Isoform 3]: Cytoplasm, cytosol .; [Isoform 4]: Membrane; Peripheral membrane protein . Isoform 4 has propensity for association with membranes. .; [Isoform 6]: Cytoplasm, perinuclear region .; [Isoform 7]: Cytoplasm, cytosol. Membrane; Peripheral membrane protein . Predominantly cytosolic. .
Tissue Specificity	[Isoform 1]: Expressed in lymphoid cell subsets including CD8-positive T cells and T-helper 2 cells. Expressed in dendritic cells. ; [Isoform 2]: Highly expressed in liver, stomach, testis, thyroid and adrenal glands and at a lower extent in placenta, kidney, pancreas, ovary, uterus and skin. Expressed in myeloid cell subsets including dendritic cells, monocytes, macrophages, eosino
Function	Hydrolyzes the second messenger 3',5'-cyclic AMP (cAMP), which is a key regulator of many important physiological processes. ; [Isoform 1]: Efficiently hydrolyzes cAMP. ; [Isoform 2]: Efficiently hydrolyzes cAMP. ; [Isoform 3]:



Efficiently hydrolyzes cAMP. The phosphodiesterase activity is not affected by calcium, calmodulin or cyclic GMP (cGMP) levels. Does not hydrolyze cGMP. ; [Isoform 4]: Efficiently hydrolyzes cAMP. ; [Isoform 6]: Efficiently hydrolyzes cAMP. ; [Isoform 7]: Efficiently hydrolyzes cAMP.

Background

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