

# PDE1B Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PDE1B.

Catalog # AT3251a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q01064</a>
<b>Other Accession</b>	<a href="#">BC032226</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	5B6
<b>Calculated MW</b>	61380

## Additional Information

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<b>Gene ID</b>	5153
<b>Other Names</b>	Calcium/calmodulin-dependent 3', 5'-cyclic nucleotide phosphodiesterase 1B, Cam-PDE 1B, 63 kDa Cam-PDE, PDE1B, PDE1B1, PDES1B
<b>Target/Specificity</b>	PDE1B (AAH32226, 437 a.a. ~ 536 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	PDE1B Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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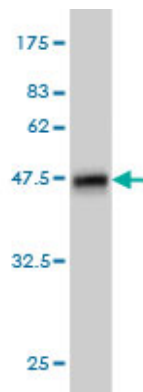
Cyclic nucleotide phosphodiesterases (PDEs) catalyze hydrolysis of the cyclic nucleotides cAMP and cGMP to the corresponding nucleoside 5-prime-monophosphates. Mammalian PDEs have been classified into several families based on their biochemical properties. Members of the PDE1 family, such as PDE1B, are calmodulin (see MIM 114180)-dependent PDEs (CaM-PDEs) that are stimulated by a calcium-calmodulin complex (Repaske et al., 1992 [PubMed 1326532]).

## References

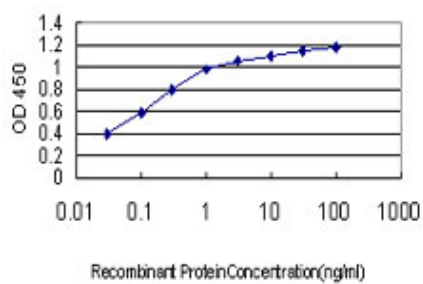
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1. Distinct metabolism of cyclic adenosine monophosphate in regulatory and helper CD4(+) T cells. Bazhin AV,

## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



Detection limit for recombinant GST tagged PDE1B is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.