

## ARG10792 anti-PDE1B antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE1B
Tested Reactivity	Hu, Ms, Rat
Tested Application	Confocal, Dot, ELISA, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE1B
Species	Human
Immunogen	Synthetic peptide from Human PDE1B protein.
Conjugation	Un-conjugated
Alternate Names	Cam-PDE 1B; EC 3.1.4.17; 63 kDa Cam-PDE; PDES1B; Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B; PDE1B1; HEL-S-79p

### Application Instructions

Application table	Application	Dilution
	Confocal	1:50 - 1:200
	Dot	1:10000
	ELISA	1:10000
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:200
	WB	1:500 - 1:1000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

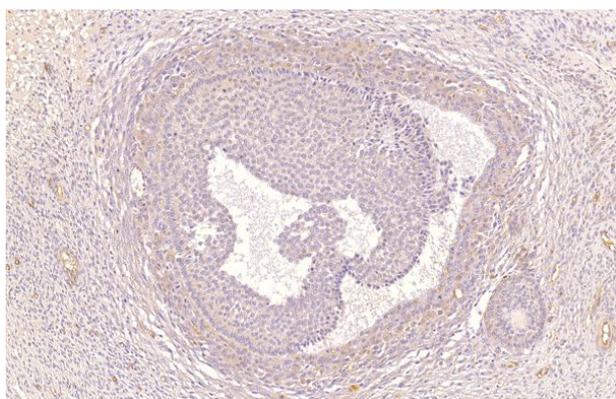
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

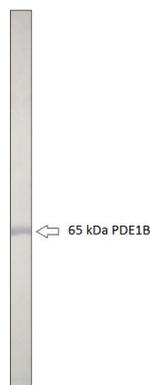
Gene Symbol	PDE1B
Gene Full Name	phosphodiesterase 1B, calmodulin-dependent
Background	The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE1 subfamily. Members of the PDE1 family are calmodulin-dependent PDEs that are stimulated by a calcium-calmodulin complex. This PDE has dual-specificity for the second messengers, cAMP and cGMP, with a preference for cGMP as a substrate. cAMP and cGMP function as key regulators of many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]
Function	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a preference for cGMP as a substrate. [UniProt]
Calculated Mw	61 kDa. Multiple bands in the 65 - 72 kDa range all believed to be various PDE1B variants.

## Images



ARG10792 anti-PDE1B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian medulla tissue stained with ARG10792 anti-PDE1B antibody at 1:200 dilution.



ARG10792 anti-PDE1B antibody WB image

Western blot: Recombinant PDE1B protein stained with ARG10792 anti-PDE1B antibody at 1:500 dilution.