

## ARG10808 anti-PDE7B antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE7B
Tested Reactivity	Hu
Tested Application	Confocal, Dot, ELISA, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE7B
Antigen Species	Human
Immunogen	Synthetic cyclic peptide common to all PDE7B variants.
Conjugation	Un-conjugated
Alternate Names	cAMP-specific 3',5'-cyclic phosphodiesterase 7B; bA472E5.1; EC 3.1.4.53

### Application Instructions

Application table	Application	Dilution
	Confocal	1:200
	Dot	1:10000
	ELISA	1:10000
	ICC/IF	1:200
	IHC-P	1:200
	IP	1:250
	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.	
Calculated Mw	52 kDa	

### Properties

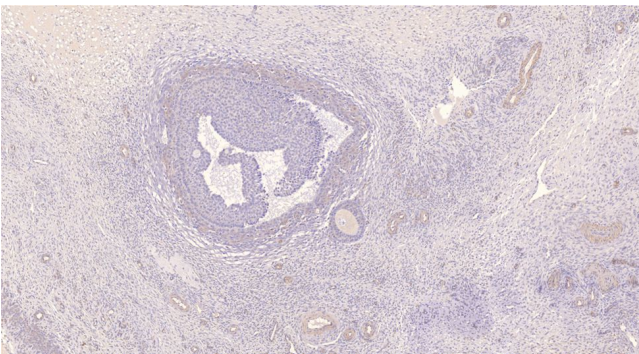
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA

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

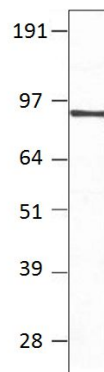
Database links	<a href="#">GeneID: 27115 Human</a> <a href="#">Swiss-port # Q9NP56 Human</a>
Gene Symbol	PDE7B
Gene Full Name	phosphodiesterase 7B
Background	The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a cAMP-specific phosphodiesterase, a member of the cyclic nucleotide phosphodiesterase family.[provided by RefSeq, Apr 2009]
Function	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in the control of cAMP-mediated neural activity and cAMP metabolism in the brain. [UniProt]

## Images



ARG10808 anti-PDE7B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian medulla tissue stained with ARG10808 anti-PDE7B antibody at 1:150 dilution.



ARG10808 anti-PDE7B antibody WB image

Western blot: Recombinant PDE7B protein stained with ARG10808 anti-PDE7B antibody at 1:1000 dilution.