

ARG10811 anti-PDE8B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE8B
Tested Reactivity	Hu, Ms, Rat, Bov, Mk
Tested Application	Confocal, Dot, ELISA, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE8B
Antigen Species	Mouse
Immunogen	Synthetic cyclic peptide common to all PDE8B variants.
Conjugation	Un-conjugated
Alternate Names	EC 3.1.4.53; HsPDE8B; Cell proliferation-inducing gene 22 protein; ADSD; PPNAD3; High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8B

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 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Calculated Mw	99 kDa	

Properties

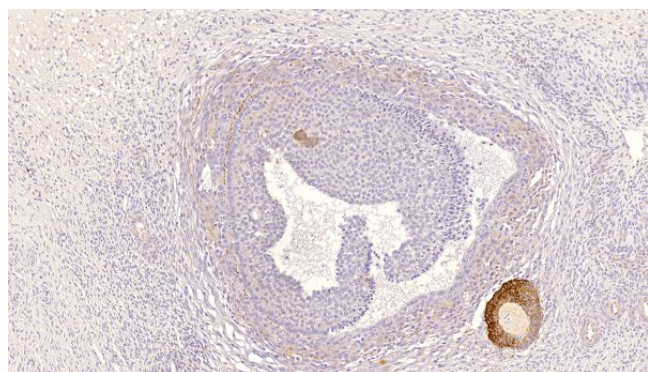
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide

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

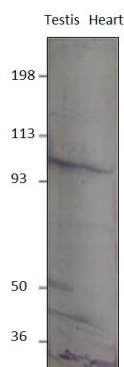
Database links	GeneID: 8622 Human Swiss-port # O95263 Human
Gene Symbol	Pde8b
Gene Full Name	phosphodiesterase 8B
Background	The protein encoded by this gene is a cyclic nucleotide phosphodiesterase (PDE) that catalyzes the hydrolysis of the second messenger cAMP. The encoded protein, which does not hydrolyze cGMP, is resistant to several PDE inhibitors. Defects in this gene are a cause of autosomal dominant striatal degeneration (ADSD). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]
Function	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in specific signaling in the thyroid gland. [UniProt]

Images



ARG10811 anti-PDE8B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian medulla tissue stained with ARG10811 anti-PDE8B antibody.



ARG10811 anti-PDE8B antibody WB image

Western blot: Rat testis and Rat heart lysates stained with ARG10811 anti-PDE8B antibody at 1:300 dilution.