

ARG10807 anti-PDE7A antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE7A
Tested Reactivity	Hu, Ms, Rat
Tested Application	Dot, ELISA, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE7A
Species	Human
Immunogen	Synthetic cyclic peptide common to all PDE7A variants.
Conjugation	Un-conjugated
Alternate Names	PDE7; High affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A; EC 3.1.4.53; TM22; HCP1

Application Instructions

Application table	Application	Dilution
	Dot	1:10000
	ELISA	1:10000
	IHC-P	Assay-dependent
	IP	1:250
	WB	1:500

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.

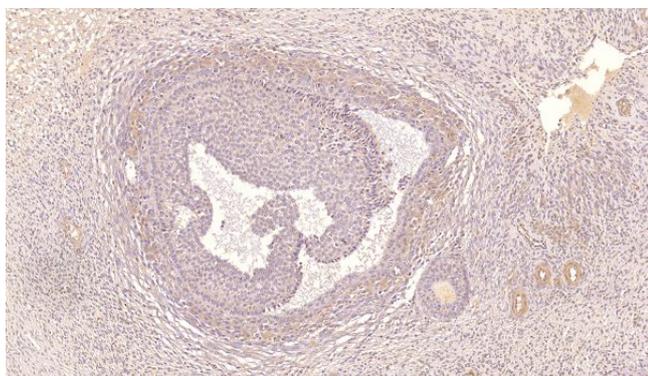
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

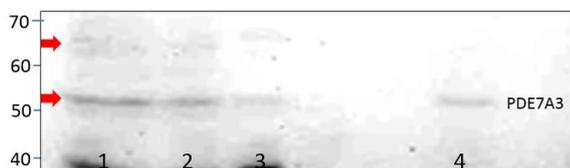
Database links	GeneID: 18583 Mouse GeneID: 5150 Human Swiss-port # P70453 Mouse Swiss-port # Q13946 Human
Gene Symbol	PDE7A
Gene Full Name	phosphodiesterase 7A
Background	The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE7 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2011]
Function	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May have a role in muscle signal transduction. [UniProt]
Calculated Mw	56 kDa

Images



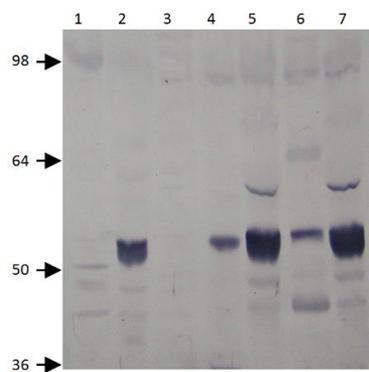
ARG10807 anti-PDE7A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian medulla tissue stained with ARG10807 anti-PDE7A antibody at 1:200 dilution.



ARG10807 anti-PDE7A antibody WB image

Western blot: 1) SKNMBE, 2) MCF7, 3) Human testis, and 4) Rat testis stained with ARG10807 anti-PDE7A antibody.



ARG10807 anti-PDE7A antibody WB image

Western blot: 1) Lung, 2) Kidney, 3) Testis, 4) Pancreas, 5&7) Heart, and 6) Brain lysates stained with ARG10807 anti-PDE7A antibody at 1:500 dilution.