

Rabbit PDE7A Polyclonal Antibody | anti-PDE7A antibody

PDE7A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75649	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

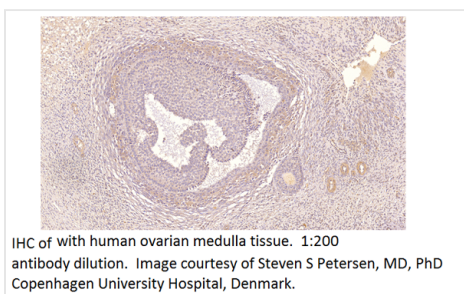
PRODUCT SYNONYMS

PDE7A; Polyclonal Antibody; PDE7A Antibody; HCP 1; P2A; PDE 7; PDE1/PDE2 yeast human complement of; Phosphodiesterase 7A; Phosphodiesterase isozyme 7; Rolipram insensitive phosphodiesterase type 7; TM 22 antibody; anti-PDE7A antibody

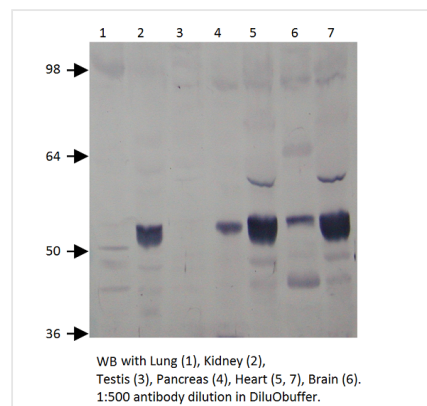
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	This antibody is specific for PDE7A variants and will not cross-react with PDE7B or other PDE family members.
Form/Format	Affinity Purified
Concentration	0.50-0.75 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	424
Applicable Applications for anti-PDE7A antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic cyclic peptide common to all PDE7A variants
Expression	PDE7A1 is found at high levels in skeletal muscle and at low levels in a variety of tissues including brain and heart. It is expressed as well in two T-cell lines. PDE7A2 is found abundantly in skeletal muscle and at low levels in heart.
Molecular Function	3', 5' -cyclic-AMP phosphodiesterase activity
Structure	Interacts with CBFA2T3
Subcellular Location	Isoform PDE7A1 : Cytoplasm degree cytosol, Isoform PDE7A2: Cytoplasm
Preparation and Storage	-20• degree C for long term storage

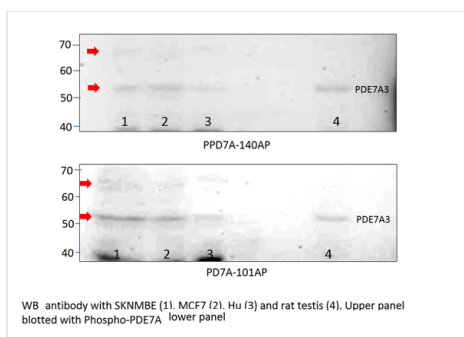
IMAGES



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-PDE7A antibody	Affinity Purified cAMP-specific cyclic nucleotide phosphodiesterase PDE7A3 Antibody Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May have a role in muscle signal transduction.
Product Categories/Family for anti-PDE7A antibody	Primary Antibodies ; Neuroscience ; PDE7A Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	14248759
NCBI GeneID	5150
UniProt Accession #	Q13946 ; O15380 ; Q96T72 ; A0AVH6 ; A8K436 ; A8K9G5
Molecular Weight	48,828 Da
NCBI Official Full Name	cAMP-specific cyclic nucleotide phosphodiesterase PDE7A3
NCBI Official Synonym Full Names	phosphodiesterase 7A
NCBI Official Symbol	PDE7A
NCBI Official Synonym Symbols	HCP1; PDE7
NCBI Protein Information	high affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A
UniProt Protein Name	High affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A
UniProt Gene Name	PDE7A
UniProt Entry Name	PDE7A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pde7a-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/75649>