

Anti-PDE7A antibody



Description	Unconjugated Rabbit polyclonal to PDE7A
Model	STJ190868
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	5150
Gene Symbol	PDE7A
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	PDE7A Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	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.
Purification	PDE7A antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	High affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A HCP1 TM22
Molecular Weight	53 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:8791OMIM:171885
Alternative Names	High affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A HCP1 TM22
Function	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May have a role in muscle signal transduction.
Sequence and Domain Family	Composed of a C-terminal catalytic domain containing two putative divalent metal sites and an N-terminal regulatory domain.
Cellular Localization	Isoform PDE7A1: Cytoplasm, cytosol. PDE7A1 (57 kDa) is located mostly to soluble cellular fractions.. Isoform PDE7A2: Cytoplasm. PDE7A2 (50 kDa) is located to particulate cellular fractions.

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