

Datasheet for ABIN2787371
anti-PDE8A antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	PDE8A
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Horse, Cow, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE8A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PDE8A
Sequence:	SSNPYHNSTH SADVLHATAY FLSKERIKET LDPIDEVAAL IAATIHVDVDH
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against PDE8A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	PDE8A
Alternative Name:	PDE8A (PDE8A Products)

Target Details

Background:	<p>Phosphodiesterases (PDEs) regulate the intracellular levels of cAMP and cGMP. These cyclic nucleotides play an important role as second messengers in multiple physiologic processes, including regulation of vascular resistance, cardiac output, visceral motility, immune response, inflammation, neuroplasticity, vision, and reproduction. PDEs comprise a large superfamily of enzymes divided into 10 families. Different PDEs can be distinguished by their structure, tissue expression, localization, substrate specificity, regulation, and sensitivity to PDE inhibitors. Diversity in structure and specificity of function make PDEs promising targets for the pharmacotherapy of diseases modulated by cyclic nucleotide signaling (Hetman et al., MIM 2000).</p> <p>Alias Symbols: FLJ16150, HsT19550</p> <p>Protein Interaction Partner: UBC,</p> <p>Protein Size: 829</p>
Molecular Weight:	91 kDa
Gene ID:	5151
NCBI Accession:	NM_002605 , NP_002596
UniProt:	O60658
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 829 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PDE8A Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: PANC1 cell lysate



Rabbit Anti-PDE8A Antibody
Catalog Number: ARP57752
Lot Number: QC27423
Lane: PANC1 Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-PDE8A

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: PANC1 cell lysate