

Datasheet for ABIN1690735

anti-PDE8A antibody**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	PDE8A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PDE8A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Human PDE8a
Clone:	EM-52
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody EM-52 recognizes PDE8a (phosphodiesterase 8 A), an approximately 93 kDa intracellular enzyme that hydrolyzes cAMP to 5'AMP.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	PDE8A
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Target Details

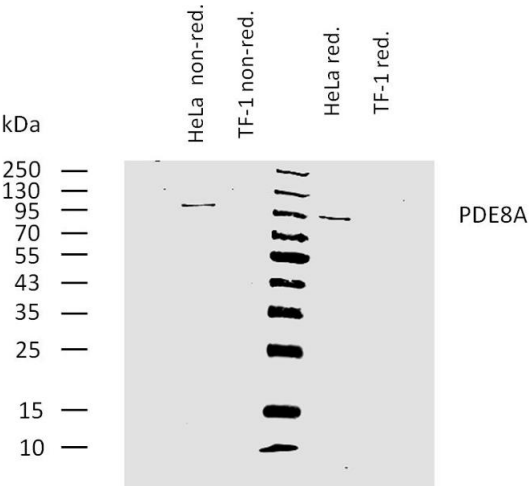
Alternative Name:	PDE8a (PDE8A Products)
Background:	Phosphodiesterase 8A,PDE8a (high affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8 A) is a cyclic nucleotide phosphodiesterase, which hydrolyzes cAMP, an important regulator and mediator of multiple cellular responses to extracellular signals. It is expressed in a wide variety of tissues including testis, ovary, small intestine, and colon. It is not expressed e.g. in thymus. PDE8a is composed of C-terminal catalytic domain containing two putative divalent metal sites and an N-terminal regulatory domain.,HsT19550
Gene ID:	5151
UniProt:	O60658
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Western blotting: Recommended dilution: 1-2 µg/mL.
Restrictions:	For Research Use only

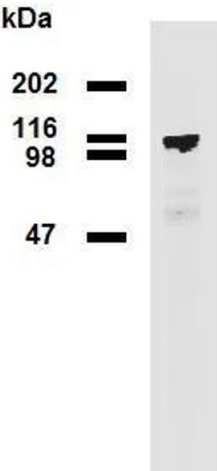
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Western Blotting

Image 1. Western blotting analysis of human PDE8A using mouse monoclonal antibody EM-52 on lysates of HeLa cell line and TF-1 cell line (negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/mL of mouse monoclonal antibody anti-PDE8A followed by Alexa Fluor 790-conjugated goat-anti-mouse secondary antibody. A specific band was detected for PDE8A at approximately 95 kDa.



Western Blotting

Image 2. Western blotting analysis (reducing conditions) of PDE8a in HEK293T/17-PDE8a transfectants using mouse monoclonal antibody EM-52 .