

Anti-PDE8A Purified Monoclonal Antibody

Catalog Number: M05304

About PDE8A

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.

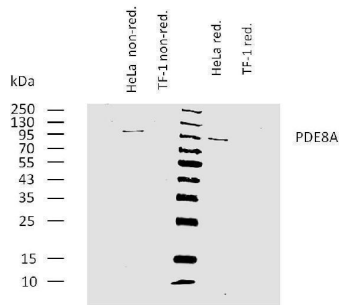
Overview

Product Name	Anti-PDE8A Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-PDE8A Purified Monoclonal Antibody (Catalog# M05304). Tested in WB application(s). This antibody reacts with Human.
Application	WB
Clonality	Monoclonal EM-52
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	O60658

Technical Details

Immunogen	Human PDE8a. The mouse monoclonal antibody EM-52 recognizes PDE8a (phosphodiesterase 8 A), an approximately 93 kDa intracellular enzyme that hydrolyzes cAMP to 5'AMP.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Western blotting: 1-2 ug/ml.

Anti-PDE8A Purified Monoclonal Antibody (M05304) Images



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 μ g/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.

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