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PDE2A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PDE2A.

Catalog # AT3253a

Specification

PDE2A Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	O00408
Other Accession	NM_002599
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**105717**

PDE2A Antibody (monoclonal) (M01) - Additional Information

Gene ID 5138

Other Names
cGMP-dependent 3', 5'-cyclic phosphodiesterase, Cyclic GMP-stimulated phosphodiesterase, CGS-PDE, cGSPDE, PDE2A

Target/Specificity
PDE2A (NP_002590, 850 a.a. ~ 940 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
PDE2A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE2A Antibody (monoclonal) (M01) - Protocols

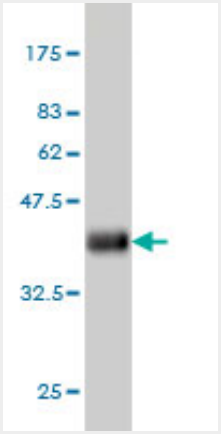
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

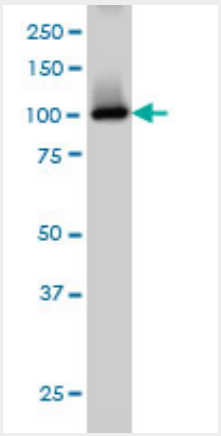
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

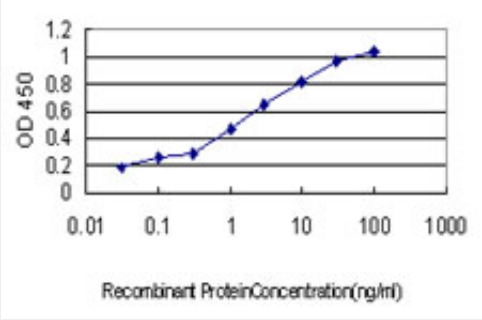
PDE2A Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.75 KDa) .



PDE2A monoclonal antibody (M01), clone 4F4 Western Blot analysis of PDE2A expression in IMR-32 ((Cat # AT3253a)



Detection limit for recombinant GST tagged PDE2A is approximately 0.03ng/ml as a capture antibody.

PDE2A Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Poor replication of candidate genes for major depressive disorder using genome-wide association data. Bosker FJ, et al. Mol Psychiatry, 2010 Mar 30. PMID 20351714.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Mechanism for the allosteric regulation of phosphodiesterase 2A deduced from the X-ray structure of a near full-length construct. Pandit J, et al. Proc Natl Acad Sci U S A, 2009 Oct 27. PMID 19828435.Phosphodiesterase 2 mediates redox-sensitive endothelial cell proliferation and angiogenesis by thrombin via Rac1 and NADPH oxidase 2. Diebold I, et al. Circ Res, 2009 May 22. PMID 19390057.