

# Product Datasheet

## PDE4B Antibody (OTI1D12)

### NBP2-01171

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-01171****PDE4B Antibody (OTI1D12)**

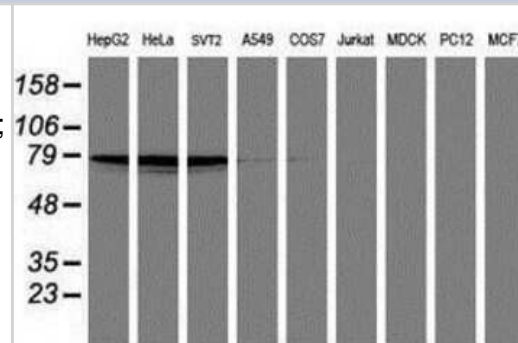
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.62 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI1D12
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	83.2 kDa

<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	5142
<b>Gene Symbol</b>	PDE4B
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Full length human recombinant protein of human PDE4B(NP_002591) produced in HEK293T cell.

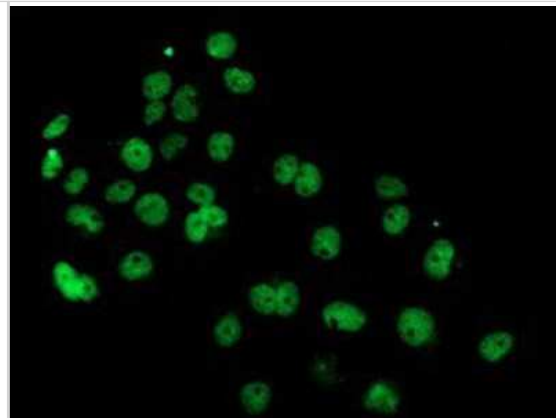
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150

**Images**

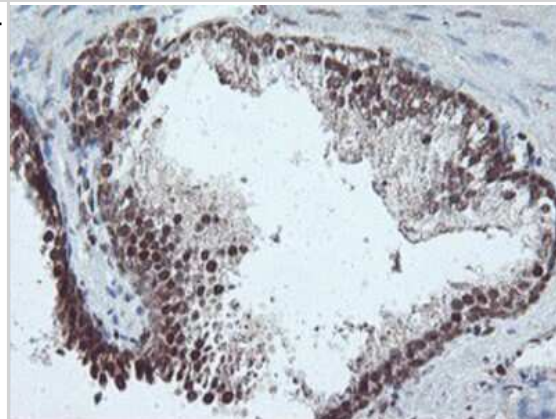
Western Blot: PDE4B Antibody (1D12) [NBP2-01171] Analysis of extracts (35ug) from 9 different cell lines by using anti-PDE4B monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



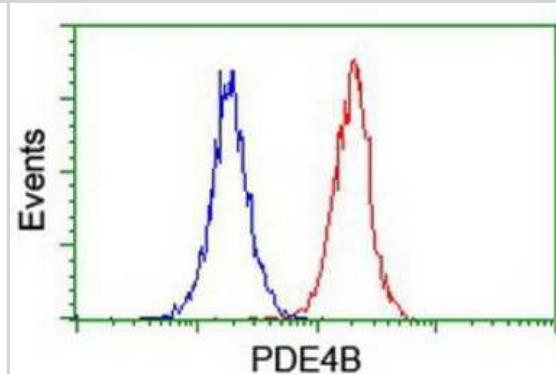
Immunocytochemistry/Immunofluorescence: PDE4B Antibody (1D12) [NBP2-01171] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY PDE4B.



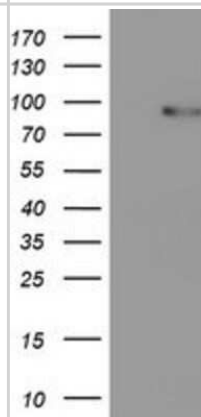
Immunohistochemistry-Paraffin: PDE4B Antibody (1D12) [NBP2-01171] - Staining of paraffin-embedded Human prostate tissue using anti-PDE4B mouse monoclonal antibody.



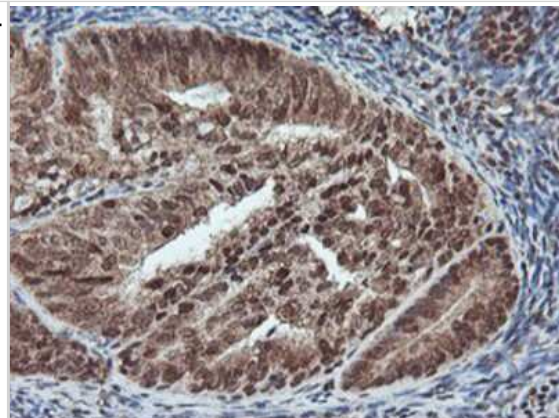
Flow Cytometry: PDE4B Antibody (1D12) [NBP2-01171] - Analysis of Jurkat cells, using anti-PDE4B antibody, (Red), compared to a nonspecific negative control antibody (Blue).



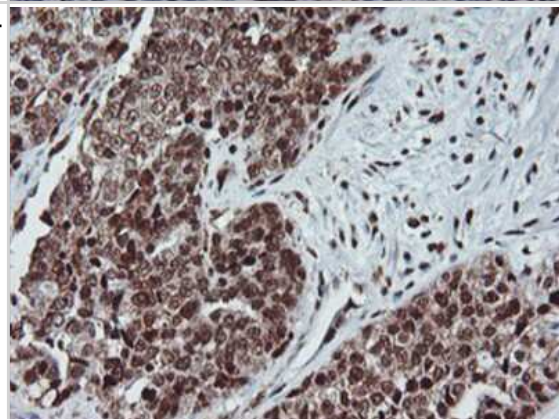
Western Blot: PDE4B Antibody (1D12) [NBP2-01171] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PDE4B (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PDE4B.



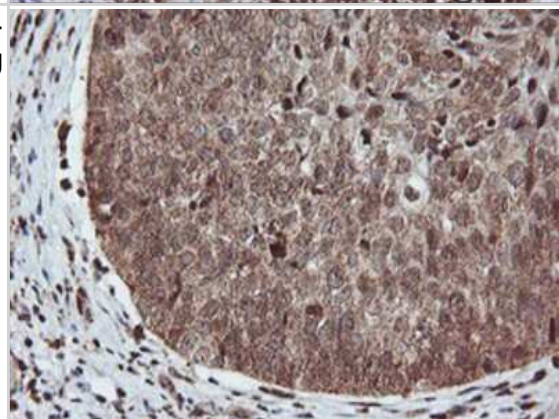
Immunohistochemistry-Paraffin: PDE4B Antibody (1D12) [NBP2-01171] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PDE4B mouse monoclonal antibody.



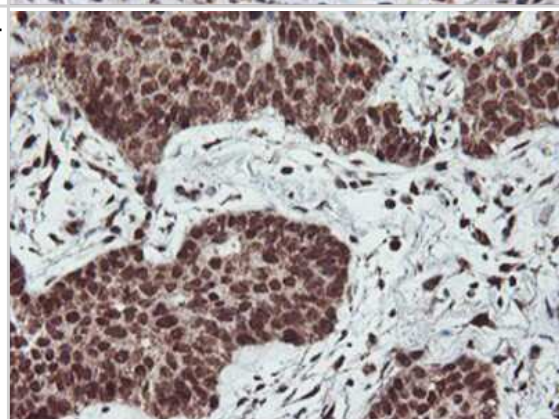
Immunohistochemistry-Paraffin: PDE4B Antibody (1D12) [NBP2-01171] - Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-PDE4B mouse monoclonal antibody.



Immunohistochemistry-Paraffin: PDE4B Antibody (1D12) [NBP2-01171] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-PDE4B mouse monoclonal antibody.

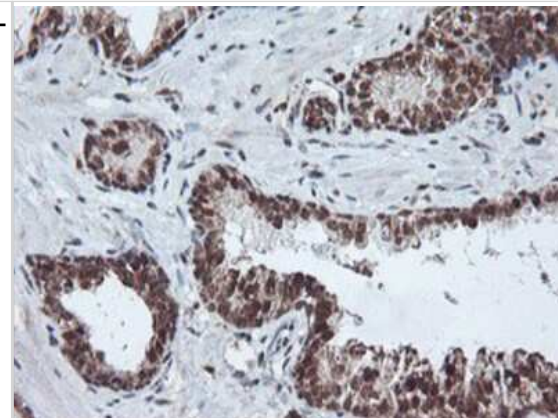


Immunohistochemistry-Paraffin: PDE4B Antibody (1D12) [NBP2-01171] - Staining of paraffin-embedded Carcinoma of Human lung tissue using anti-PDE4B mouse monoclonal antibody.

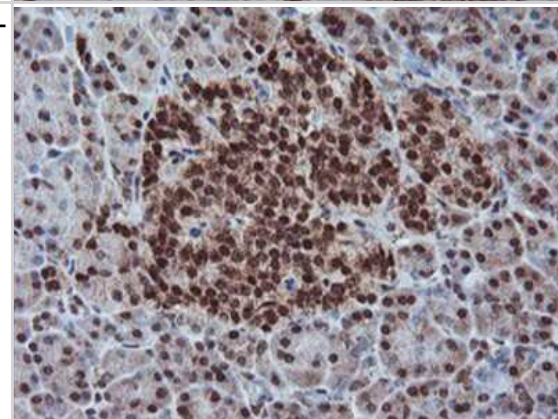




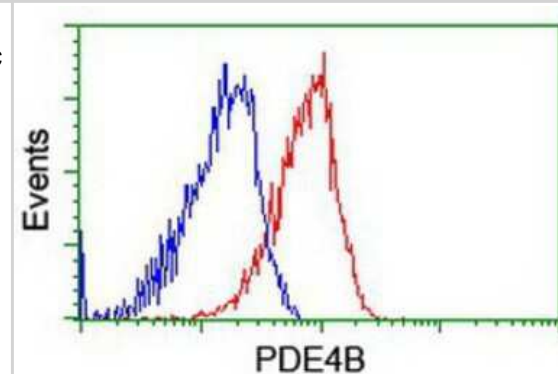
Immunohistochemistry-Paraffin: PDE4B Antibody (1D12) [NBP2-01171] - Staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-PDE4B mouse monoclonal antibody.



Immunohistochemistry-Paraffin: PDE4B Antibody (1D12) [NBP2-01171] - Staining of paraffin-embedded Human pancreas tissue using anti-PDE4B mouse monoclonal antibody.



Flow Cytometry: PDE4B Antibody (1D12) [NBP2-01171] - Analysis of Hela cells, using anti-PDE4B antibody, (Red), compared to a nonspecific negative control antibody (Blue).



## Publications

Varona S, Puertas L, GalAn M et al. Rolipram Prevents the Formation of Abdominal Aortic Aneurysm (AAA) in Mice: PDE4B as a Target in AAA Antioxidants 2021-03-16 [PMID: 33809405] (IHC-P, WB, Human)



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### **Products Related to NBP2-01171**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-84057PEP	PDE4B Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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