

Product Datasheet

PDE6A Antibody - BSA Free NBP1-87312

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 6

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Updated 12/2/2025 v.20.1

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NBP1-87312

PDE6A Antibody - BSA Free

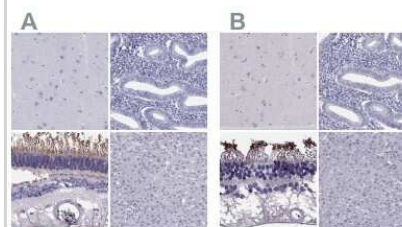
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit PDE6A Antibody - BSA Free (NBP1-87312) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PDE6A Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5145
Gene Symbol	PDE6A
Species	Human, Mouse, Monkey
Reactivity Notes	Use in Monkey reported in scientific literature (PMID:35024589). Mouse reactivity reported in scientific literature (PMID: 26188004).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TLMESLTQFLGWSVLNPDYTESMNKLENRKDIFQDIVKYHVKCDNEEIQKILKTR EYVGKEPWECEEEELAEILQAELPDADKYEINKFHFSDLPLTELELVKCGIQMY YELKVVDFHIPQEALVRFMYLSKGYRKITYHN

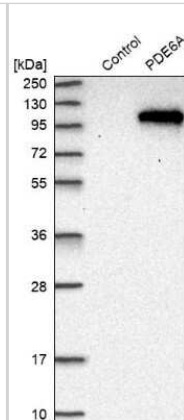
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:5000 - 1:10000, Immunohistochemistry-Paraffin 1:5000 - 1:10000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

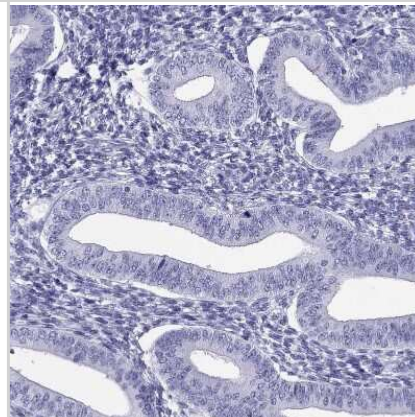
Immunohistochemistry-Paraffin: PDE6A Antibody [NBP1-87312] - Staining of human cerebral cortex, endometrium, eye, retina and liver using Anti-PDE6A antibody NBP1-87312 (A) shows similar protein distribution across tissues to independent antibody NBP2-68985 (B).



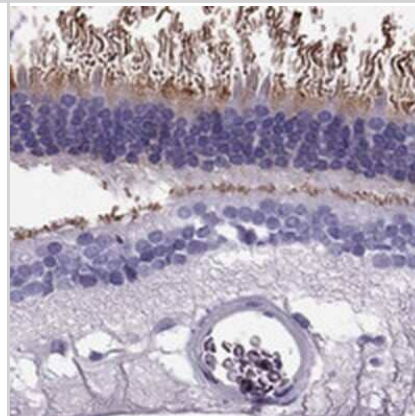
Western Blot: PDE6A Antibody [NBP1-87312] - Analysis in control (vector only transfected HEK293T lysate) and PDE6A over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



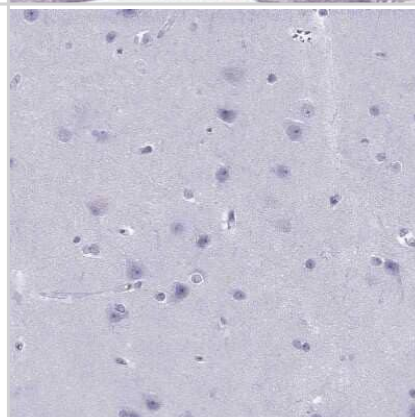
Immunohistochemistry-Paraffin: PDE6A Antibody [NBP1-87312] - Staining of human endometrium shows no positivity in glandular cells as expected.



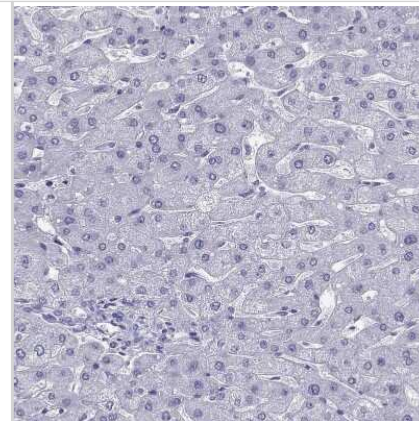
Immunohistochemistry-Paraffin: PDE6A Antibody [NBP1-87312] - Staining of human retina shows moderate cytoplasmic positivity in rods.



Immunohistochemistry-Paraffin: PDE6A Antibody [NBP1-87312] - Staining of human cerebral cortex shows no positivity in neurons as expected.



Immunohistochemistry-Paraffin: PDE6A Antibody [NBP1-87312] - Staining of human liver shows no positivity in hepatocytes as expected.



Publications

Liu Z, Chen S, Davis AE et al. Efficient Rescue of Retinal Degeneration in Pde6a Mice by Engineered Base Editing and Prime Editing. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany) 2024-09-19 [PMID: 39297417]

Pavlou M, Babutzka S, Michalakis S A Bioengineered In Vitro Model to Assess AAV-Based Gene Therapies for Cyclic GMP-Related Disorders *International Journal of Molecular Sciences* 2022-04-20 [PMID: 35562929] (ICC/IF)

Yamasaki S, Tu H, Matsuyama T et al. A Genetic modification that reduces ON-bipolar cells in hESC-derived retinas enhances functional integration after transplantation *iScience* 2022-01-01 [PMID: 35024589] (IHC-Fr, Monkey)

Schon C, Sothilingam V, Muhlfriedel R et al. Gene therapy successfully delays degeneration in a mouse model of PDE6A-linked retinitis pigmentosa (RP 43). *Hum. Gene Ther.* 2017-12-07 [PMID: 29212391] (IHC-Fr, Mouse)

Kiflemariam S, Andersson S, Asplund A et al. Scalable in situ hybridization on tissue arrays for validation of novel cancer and tissue-specific biomarkers. *PLoS One* 2012-01-01 [PMID: 22412953]

Sothilingam V, Garcia Garrido M, Jiao K et al. Retinitis pigmentosa: impact of different Pde6a point mutations on the disease phenotype *Hum. Mol. Genet.* 2015-07-17 [PMID: 26188004] (IF/IHC, Mouse)



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Products Related to NBP1-87312

NBP1-87312PEP	PDE6A Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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