

Product Datasheet

PDE10A Antibody NB300-645-0.05mg

Unit Size: 0.05 mg

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

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Publications: 4

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NB300-645-0.05mg

PDE10A Antibody

Product Information	
Unit Size	0.05 mg
Concentration	0.7 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris/Glycine buffer, pH 7.4-7.8, HEPES,BSA 0.5%, glycerol 30%.

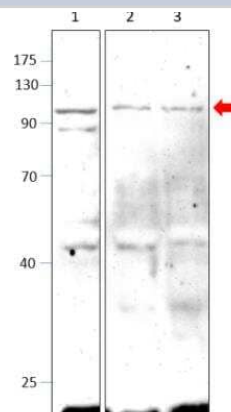
Product Description	
Description	Novus Biologicals Rabbit PDE10A Antibody (NB300-645) is a polyclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-PDE10A Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10846
Gene Symbol	PDE10A
Species	Human, Mouse, Rat, Monkey
Specificity/Sensitivity	This has no cross-reactivity against any other PDE family members tested so far.
Immunogen	Synthetic peptide taken within amino acid region 300-350 on human PDE10A2 protein common to all PDE10A variants.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot > 1:500, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation > 1:250, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	ICC/IF reactivity reported in (PMID: 21559457). Detects a band of approximately 90-93 kDa in rat brain and rat pancreas samples. Not tested in other applications.Optimal dilutions/concentrations should be determined by the end user.

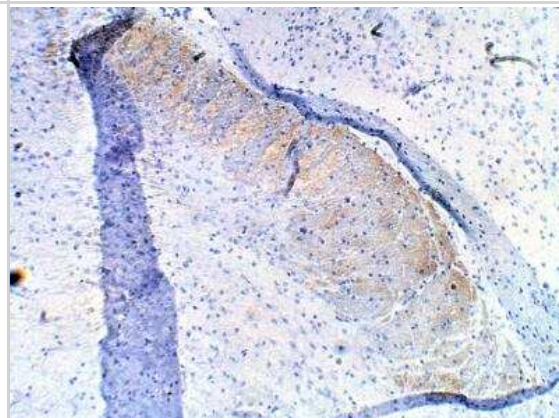


Images

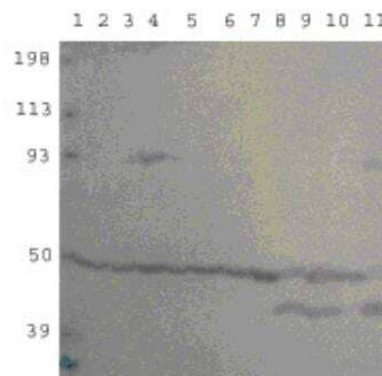
Western Blot: PDE10A Antibody [NB300-645] - Rat Striatum: 1. Pan-PDE10A antibody. 2. PDE10A2 variant selective antibody. Diluted 1:5000 in DiluOBuffer.



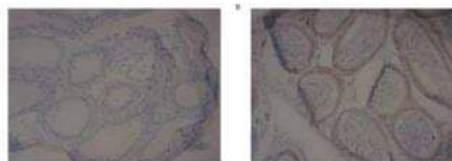
Immunohistochemistry-Paraffin: PDE10A Antibody - 1:1000 dilution in IHC Block Buffer. DAB (brown) staining and Hematoxylin QS (blue) counterstain. 40X magnification. FFPE section. Mouse Brain.



Western Blot: PDE10A Antibody [NB300-645] - NB300-645 (1:500) using CNS Blot. 1. Frontal Cortex 2. Parietal Cortex 3. Striatum 4. Amygdala 5. Hypothalamus 6. Hippocampus 7. Olfactory bulb 8. Brain Stem 9. Cerebellum 10. Spinal cord and 11. Whole Brain.



Immunohistochemistry-Paraffin: PDE10A Antibody [NB300-645] - Slide A is negative control. Slide B is stained with NB300-645 at 1:200 antibody dilution in DiluObuffer.



Publications

Lingfeng Luo, Yujun Cai, Yishuai Zhang, Chia G Hsu, Vyacheslav A Korshunov, Xiaochun Long, Peter A Knight, Bradford C Berk, Chen Yan Role of PDE10A in vascular smooth muscle cell hyperplasia and pathological vascular remodelling *Cardiovascular Research* 2022-08-01 [PMID: 34550322]

Sugiyama K, Kuroiwa M, Shuto T et al. Subregion-specific regulation of dopamine D1 receptor signaling in the striatum: implication for L-DOPA-induced dyskinesia *The Journal of Neuroscience* 2021-06-15 [PMID: 34131032]

Li N, Lee K, Xi Y et al. Phosphodiesterase 10A: a novel target for selective inhibition of colon tumor cell growth and beta-catenin-dependent TCF transcriptional activity. *Oncogene* 2014-04-07 [PMID: 24704829] (WB, IHC-P, Human)

Tian X, Vroom C, Ghofrani H et al. Phosphodiesterase 10A upregulation contributes to pulmonary vascular remodeling *PLoS One* 2011-04-11 [PMID: 21494592] (ICC/IF, Rat)





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Products Related to NB300-645-0.05mg

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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