

PDE10A Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16056**Specification**

PDE10A Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9Y233
Reactivity	Human, Rat, Rabbit, Horse, Dog
Predicted	Human, Rat, Rabbit, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85kDa KDa

PDE10A Antibody - N-terminal region - Additional Information**Gene ID** 10846

Alias Symbol	PDE10A,
Other Names	

cAMP and cAMP-inhibited cGMP 3', 5'-cyclic phosphodiesterase 10A, 3.1.4.17, 3.1.4.35, PDE10A

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 μ l of distilled water. Final Anti-PDE10A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

PDE10A Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PDE10A Antibody - N-terminal region - Protein Information**Name** PDE10A**Function**

Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides (PubMed: [10373451](http://www.uniprot.org/citations/10373451), PubMed: [10393245](http://www.uniprot.org/citations/10393245), PubMed: [16330539](http://www.uniprot.org/citations/16330539), PubMed: [27058447](http://www.uniprot.org/citations/27058447), PubMed: [17389385](http://www.uniprot.org/citations/17389385)). Can hydrolyze both cAMP and cGMP, but has higher affinity for cAMP and is more efficient with cAMP as substrate (PubMed: [10373451](http://www.uniprot.org/citations/10373451), PubMed: [10393245](http://www.uniprot.org/citations/10393245), PubMed: [27058447](http://www.uniprot.org/citations/27058447)

target="_blank">27058447, PubMed:17389385). May play a critical role in regulating cAMP and cGMP levels in the striatum, a region of the brain that contributes to the control of movement and cognition (PubMed:27058447).

Cellular Location

Cytoplasm, cytosol

Tissue Location

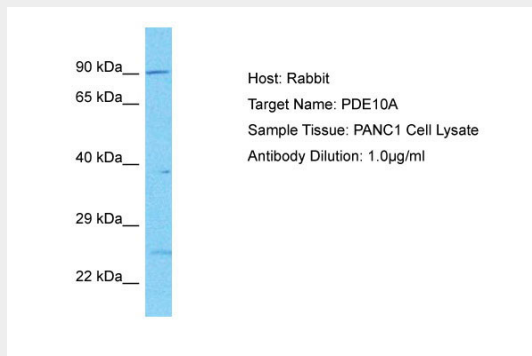
Abundant in the putamen and caudate nucleus regions of brain and testis, moderately expressed in the thyroid gland, pituitary gland, thalamus and cerebellum.

PDE10A Antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PDE10A Antibody - N-terminal region - Images



Host: Rabbit
Target Name: PDE10A
Sample Tissue: PANC1 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

PDE10A Antibody - N-terminal region - Background

Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. Can hydrolyze both cAMP and cGMP, but has higher affinity for cAMP and is more efficient with cAMP as substrate.

PDE10A Antibody - N-terminal region - References

Kotera J., et al. Biochem. Biophys. Res. Commun. 261:551-557(1999).
Fujishige K., et al. J. Biol. Chem. 274:18438-18445(1999).

Loughney K.,et al.Gene 234:109-117(1999).

Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Mungall A.J.,et al.Nature 425:805-811(2003).