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

Specification

PDE10A Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9Y233
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 &mu, 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, PubMed:10393245, PubMed:16330539, PubMed:17389385, PubMed:27058447). Can hydrolyze both cAMP and cGMP, but has higher affinity for cAMP and is more efficient with cAMP as substrate (PubMed:10373451, PubMed:10393245, PubMed:<a href="http://www.uniprot.org/citations/17389385"

target="_blank">17389385, PubMed:27058447). 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

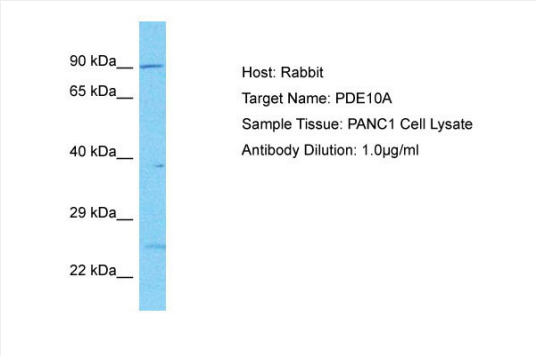
Tissue Location
Abundant in the putamen and caudate nucleus regions of brain and testis, moderately expressed in the thyroid gland, pituitary gland, thalamus and cerebellum.

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 Cytomety
- 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).

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