

PDE10A Polyclonal Antibody
Catalog # AP71810**Specification**

PDE10A Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q9Y233
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal

PDE10A Polyclonal Antibody - Additional Information**Gene ID** 10846**Other Names**

PDE10A; cAMP and cAMP-inhibited cGMP 3'; 5'-cyclic phosphodiesterase 10A

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

PDE10A Polyclonal Antibody - 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: [17389385](http://www.uniprot.org/citations/17389385), PubMed: [27058447](http://www.uniprot.org/citations/27058447)). 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: [17389385](http://www.uniprot.org/citations/17389385), PubMed: [27058447](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/27058447)).

Cellular Location

Cytoplasm, cytosol

Tissue Location

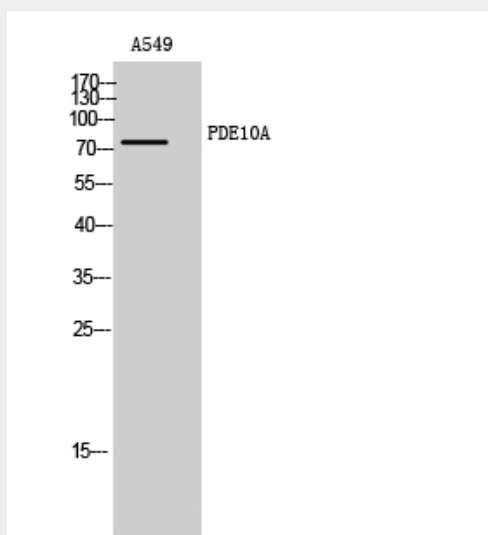
Abundant in the putamen and caudate nucleus regions of brain and testis, moderately expressed in the thyroid gland, pituitary gland, thalamus and cerebellum.

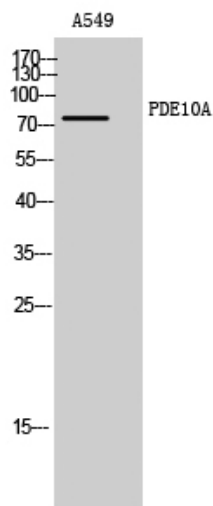
PDE10A Polyclonal Antibody - Protocols

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 Polyclonal Antibody - Images





PDE10A Polyclonal Antibody - 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. 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.