

PDE10A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57290**Specification**

PDE10A Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O9Y233
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	114946

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

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

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °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: [17389385](http://www.uniprot.org/citations/27058447)).

target="_blank">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 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