

PDE10A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57290

Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q9Y233
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	114946

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=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500
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.

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: 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.