

Rabbit PDE10A Polyclonal Antibody | anti-PDE10A antibody

PDE10A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75642	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

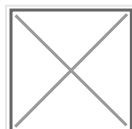
PRODUCT SYNONYMS

PDE10A; Polyclonal Antibody; PDE10A Antibody; 5"-cyclic phosphodiesterase 10A; cAMP and cAMP inhibited cGMP 3'5' cyclic phosphodiesterase 10A; FLJ11894; HSPDE10A; Phosphodiesterase 10A antibody; anti-PDE10A antibody

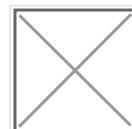
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Specificity	This antibody has no cross-reactivity against any other PDE family members tested so far. This antibody will detect all PDE10A variants and subtypes.
Form/Format	Affinity Purified
Concentration	0.7 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	807
Applicable Applications for anti-PDE10A antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, CM (Confocal Microscopy)
Immunogen	Synthetic peptide (Human) taken against a common sequence near the 250-325 amino acids downstream of N-terminal region of PDE10A. Synthetic MAP.
Expression	Abundant in the putamen and caudate nucleus regions of brain and testis, moderately expressed in the thyroid gland, pituitary gland, thalamus and cerebellum.
Molecular Function	Hydrolase, metal-ion binding, cGMP binding
Structure	Homodimer
Subcellular Location	Cytoplasm
Preparation and Storage	-20• degree C for long term storage

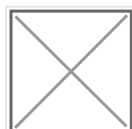
IMAGES



IHC (Immunohistochemistry)



WB (Western Blot)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-PDE10A antibody	Affinity Purified Phosphodiesterase 10A 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.
Product Categories/Family for anti-PDE10A antibody	Primary Antibodies; Signal Transduction; Phosphodiesterases; PDE10A Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4894717
NCBI GeneID	10846
UniProt Accession #	Q9Y233; Q6FHX1; Q9HCP9; Q9NTV4; Q9ULW9; Q9Y5T1
Molecular Weight	89,390 Da
NCBI Official Full Name	3',5'-cyclic nucleotide phosphodiesterase 10A2, partial
NCBI Official Synonym Full Names	phosphodiesterase 10A
NCBI Official Symbol	PDE10A
NCBI Official Synonym Symbols	ADSD2; IOLOD; HSPDE10A; PDE10A19
NCBI Protein Information	cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A
UniProt Protein Name	cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A
UniProt Gene Name	PDE10A
UniProt Entry Name	PDE10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pde10a-antibody-western-blot-immunoprecipitation-immunohistochemistry-immunofluorescence-immunocytochemistry-confocal-microscopy-elisa/75642>