

Mouse PDE10A Monoclonal Antibody | anti-PDE10A antibody

PDE10A antibody

CATALOG # AAA107489	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

PDE10A; Monoclonal Antibody; PDE10A antibody; Monoclonal PDE10A; Anti-PDE10A; Phosphodiesterase 10A; FLJ11894; HSPDE10A; cAMP and cAMP-inhibited cGMP 3'; 5'-cyclic phosphodiesterase 10A; Phosphodiesterase 10A1; PDEA 10; PDEA-10; anti-PDE10A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	1C9
Purity/Purification	PDE10A antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	779
Applicable Applications for anti-PDE10A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	Various cellular responses are regulated by the second messengers cAMP and cGMP. Phosphodiesterases, such as PDE10A, eliminate cAMP- and cGMP-mediated intracellular signaling by hydrolyzing the cyclic nucleotide to the corresponding nucleoside 5-prime monophosphate.
Cross-Reactivity	Human
Immunogen	PDE10A antibody was raised in mouse using a protein expressed in 293T cell transfected with human PDE10A expression vector as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PDE10A protein (Right) or empty vector (Left) detected with PDE10A antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of PDE10A protein in paraffin embedded Human colon tissue using PDE10A antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PDE10A antibody	Mouse monoclonal PDE10A antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	49168618
NCBI GeneID	10846
UniProt Accession #	Q9Y233; Q6FHX1; Q9HCP9; Q9NTV4; Q9ULW9; Q9Y5T1
Molecular Weight	89,390 Da
NCBI Official Full Name	PDE10A
NCBI Official Synonym Full Names	phosphodiesterase 10A
NCBI Official Symbol	PDE10A
NCBI Official Synonym Symbols	HSPDE10A
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/monoclonal/pde10a-antibody-clone-1c9-western-blot-immunohistochemistry-elisa/107489>