

Rabbit anti-Mouse, Rat PDE11A Polyclonal Antibody | anti-PDE11A antibody

PDE11A Rabbit pAb

CATALOG # AAA281621	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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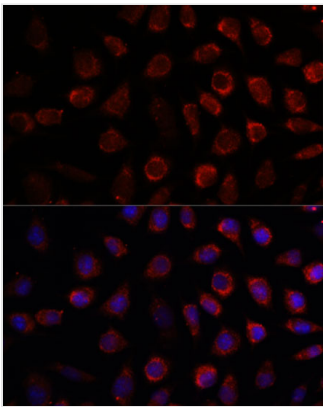
PRODUCT SYNONYMS

PDE11A; Polyclonal Antibody; PDE11A Rabbit pAb; PPNAD2; anti-PDE11A antibody

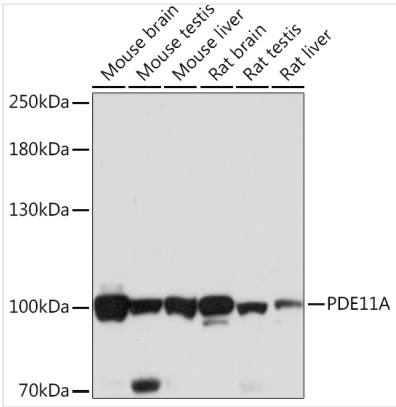
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	NNAFQAKSGS ALAQLYGTSA TLEHHHFNHA VMILQSEGHN IFANLSSKEY SDLMQLLKQS ILATDLTLYF ERRTEFFELV SKGEYDWNK NHRDIFRSM LMTACDLGAVT KPWEISRQVA ELVTSEFFEQ GDRERLELKL TPSAIFDRNR KDELPRQLQLE WIDSICMPY QALVKVNVKL KPMLDSVATN RSKWHEELHQK RLLASTASSS PASVMVAKED RN
Applicable Applications for anti-PDE11A antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 712-933 of human PDE11A (NP_058649.3).
Cellular Location	Cytoplasm, cytosol
Positive Samples	Mouse brain, Mouse testis, Mouse liver, Rat brain, Rat testis, Rat liver
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of L929 cells using PDE11A antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using PDE11A Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE11A antibody	Background: The 3', 5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3', 5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a member of the PDE protein superfamily. Mutations in this gene are a cause of Cushing disease and adrenocortical hyperplasia. Multiple transcript variants encoding different isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116536083
NCBI GeneID	50940
UniProt Accession #	Q9HCR9; Q14CD1; Q53T16; Q96S76; Q9GZY7; Q9HB46; Q9NY45
NCBI Official Full Name	dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A isoform 1 [Homo sapiens]
NCBI Official Synonym Full Names	phosphodiesterase 11A
NCBI Official Symbol	PDE11A
NCBI Official Synonym Symbols	PPNAD2; FLJ23693; MGC133355; MGC133356; PDE11A
UniProt Protein Name	Dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A
UniProt Gene Name	PDE11A
UniProt Entry Name	PDE11_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.