

DNAxPAb

Hard-to-Find
Antibody

PDE8A DNAxPab

Catalog # H00005151-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PDE8A DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MGCAPSIHISERLVAEDAPSPAAPPLSSGGPRLPQQGKTAALPRTRGAGLLESELRDGSGKKVA
VADVQFGPMRFHQDQLQVLLVFTKEDNQCNGFCRACEKAGFKCTVTKEAQAVLACFLDKHHDIII
IDHRNPRQLDAEALCRSIRSSKLSSENTVIVGVVRRVDREELSVMPFISAGFTRRYVENPNIMACYNE
LLQLEFGEVRSQKLKLRACNSVFTALENSEDAIEITSEDRFIQYANPAFETTMGYQSGELIGKELGEV
PINEKKADLLDTINSCIRIGKEWQGIYAKKNGDNIQQNVKIIIPVIGQGGKIRHYVSIIRVCNGNNKAE
KISECVQSDTHTDNQTGKHKDRRKGSLDVKAVASRATEVSSQRRHSSMARIHSMTIEAPITKVINIIN
AAQESSMPVTEALDRVLEILRTTELYSPQFGAKDDDPHANDLVGGLMSDGLRRLSGNEYVLST
KNTQMVSSNIITPISLDDVPPRIARAMENEEYWDFDIFELEAATHNRPLIYLGLKMFARFGICEFLHC
SESTLRSWLQIIIEANYHSSNPYHNSTHSADVLHATAYFLSKERIKETLDPIDEVAALIAATIHVDHP
GRSNSFLCNAGSELAILYNDTAVLESHHAALAFQLTTGDDKCNIKKNMERNDYRTL RQGIIDMVLAT
EMTKHFEHVNKFVNSINKPLATLEENGETDKNQEVINTMLRTPENRTLIKRMILKCADVSNPCRPLQ
YCIEWAARISEEYFSQTDEEKQQGLPVVMPVFD RNTCSIPKSQISFIDYFITDMFDAWDAFVDLPDL
MQHLDNNFKYWKGLDEMKLRLRPPPE

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PDE8A

Entrez GeneID [5151](#)

GeneBank Accession# [NM_002605.2](#)

Protein Accession# [NP_002596.1](#)

Gene Name PDE8A

Gene Alias FLJ16150, HsT19550

Gene Description phosphodiesterase 8A

Omim ID [602972](#)

Gene Ontology [Hyperlink](#)

Gene Summary Phosphodiesterases (PDEs) regulate the intracellular levels of cAMP and cGMP. These cyclic nucleotides play an important role as second messengers in multiple physiologic processes, including regulation of vascular resistance, cardiac output, visceral motility, immune response, inflammation, neuroplasticity, vision, and reproduction. PDEs comprise a large superfamily of enzymes divided into 10 families. Different PDEs can be distinguished by their structure, tissue expression, localization, substrate specificity, regulation, and sensitivity to PDE inhibitors. Diversity in structure and specificity of function make PDEs promising targets for the pharmacotherapy of diseases modulated by cyclic nucleotide signaling (Hetman et al., MIM 2000). See MIM 171885.[supplied by OMIM]

Other Designations OTTHUMP00000192898|cAMP-specific cyclic nucleotide phosphodiesterase 8A|high-affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A

Pathway

- [Purine metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Polycystic Ovary Syndrome](#)