10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PDE12 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP10288b

Specification

PDE12 Antibody (C-term) Blocking peptide - Product Information

Primary Accession	Q6L8Q7
Other Accession	NP_808881.3

PDE12 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 201626

Other Names
2', 5'-phosphodiesterase 12, 2'-PDE, 2-PDE, 314-, Mitochondrial deadenylase, PDE12

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PDE12 Antibody (C-term) Blocking peptide - Protein Information

Name PDE12

Function
Enzyme that cleaves 2',5'-phosphodiester bond linking adenosines of the 5'-triphosphorylated oligoadenylates, triphosphorylated oligoadenylates referred as 2-5A modulates the 2-5A system. Degrades triphosphorylated 2-5A to produce AMP and ATP (PubMed:26055709). Also cleaves 3',5'-phosphodiester bond of oligoadenylates (PubMed:21666256, PubMed:30389976, PubMed:26055709). Plays a role as a negative regulator of the 2-5A system that is one of the major pathways for antiviral and antitumor functions induced by interferons (IFNs). Suppression of this enzyme increases cellular 2-5A levels and decreases viral replication in cultured small-airway epithelial cells and Hela cells (PubMed:26055709).

Cellular Location
Mitochondrion matrix

Tissue Location

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Ubiquitous..

PDE12 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PDE12 Antibody (C-term) Blocking peptide - Images

PDE12 Antibody (C-term) Blocking peptide - References

Kohno, T., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 66 (PT 5), 520-522 (2010)
:Kubota, K., et al. J. Biol. Chem. 279(36):37832-37841(2004)