

## ARG10790 anti-PDE12 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE12
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE12
Species	Rat
Immunogen	Synthetic peptide taken within aa. 370-420 from Rat PDE12.
Conjugation	Un-conjugated
Alternate Names	EC 3.1.4.-; 2',5'-phosphodiesterase 12; Mitochondrial deadenylase; EC 3.1.13.4; 2'-PDE; 2-PDE

### Application Instructions

Application table	Application	Dilution
	ELISA	1:10000
	IHC-P	1:50 - 1:100
	IP	1:200
	WB	1:500
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

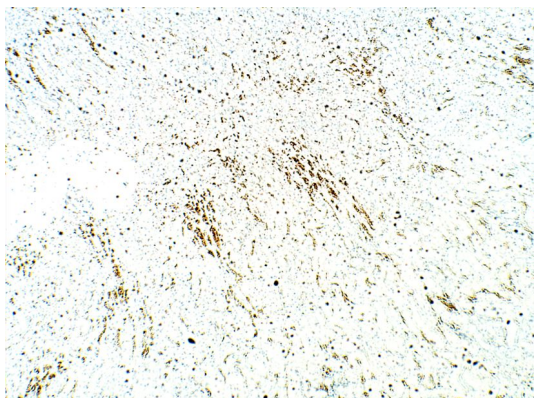
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

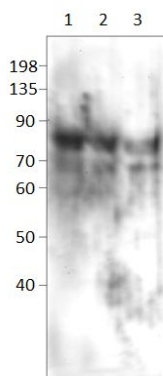
Database links	<a href="#">GeneID: 201626 Human</a> <a href="#">GeneID: 211948 Mouse</a> <a href="#">Swiss-port # Q3TIU4 Mouse</a> <a href="#">Swiss-port # Q6L8Q7 Human</a>
Gene Symbol	Pde12
Gene Full Name	phosphodiesterase 12
Function	Enzyme that cleaves 2',5'-phosphodiester bond linking adenosines of the 5'-triphosphorylated oligoadenylates, triphosphorylated oligoadenylates referred as 2-5A modulates the 2-5A system. This enzyme degraded triphosphorylated 2-5A to produce AMP and ATP. Also cleaves 3',5'-phosphodiester bond of oligoadenylates. Plays a role as a negative regulator of the The 2-5A system that is one of the major pathways for antiviral and antitumor functions induced by interferons (IFNs). Suppression of this enzyme induces reduction of viral replication in Hela cells, thus counteracting the antiviral pathway probably by inhibiting the 2-5A system. [UniProt]
Calculated Mw	67 kDa

## Images



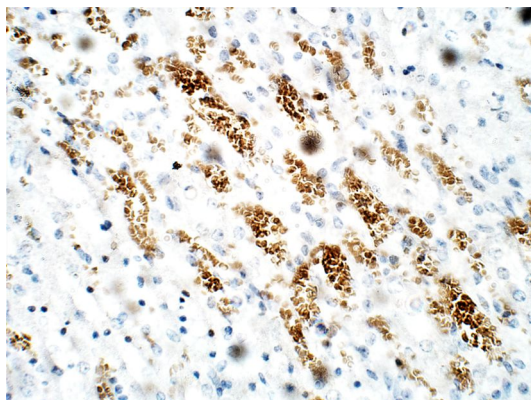
ARG10790 anti-PDE12 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Mouse kidney stained with ARG10790 anti-PDE12 antibody at 1:100 dilution.



ARG10790 anti-PDE12 antibody WB image

Western blot: 1) Rat kidney, 2) Rat spleen, and 3) Rat brain lysates stained with ARG10790 anti-PDE12 antibody at 1:500 dilution.



ARG10790 anti-PDE12 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Mouse kidney stained with ARG10790 anti-PDE12 antibody at 1:100 dilution.