

Product datasheet for **TA356572**

PDE9A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PDE9A
Specificity:	Expected reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish Homology: Cow: 92%; Dog: 79%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 93%; Zebrafish: 92%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	61kDa
Gene Name:	phosphodiesterase 9A
Database Link:	NP_001001581 Entrez Gene 18585 Mouse Entrez Gene 5152 Human O76083-13



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Background:

PDE9A catalyzes the hydrolysis of cAMP and cGMP to their corresponding monophosphates. The protein plays a role in signal transduction by regulating the intracellular concentration of these cyclic nucleotides. The protein encoded by this gene catalyzes the hydrolysis of cAMP and cGMP to their corresponding monophosphates. The encoded protein plays a role in signal transduction by regulating the intracellular concentration of these cyclic nucleotides. Multiple transcript variants encoding several different isoforms have been found for this gene.

Synonyms:

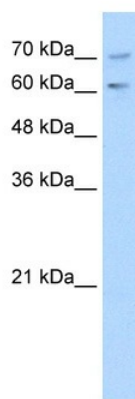
HSPDE9A2

Protein Families:

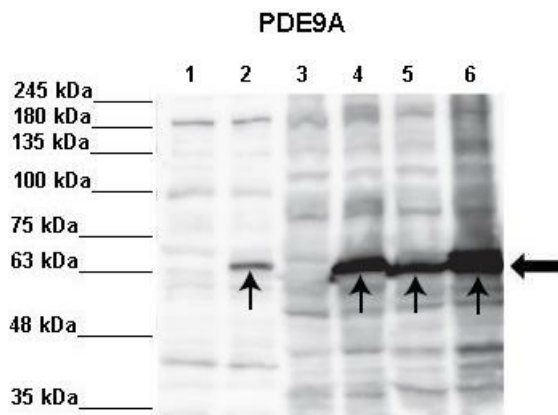
Druggable Genome

Protein Pathways:

Progesterone-mediated oocyte maturation, Purine metabolism

Product images:


WB Suggested Anti-PDE9A Antibody Titration: 1.0 ug/ml
Positive Control: Jurkat cell lysate


Sample Type:

Lane 1: 5ug in vitro translation without DNA
Lane 2: 5ug in vitro translation hNeur1-pcDNA3
Lane 3: 60ug in vitro translation rNeur1-pcDNA3
Lane 4: 60ug HEK293 cell lysate (not transfected)
Lane 5: 60ug hNeur1-pcDNA3 overexpressed in HEK293 cells
Lane 6: 60ug rNeur1-pcDNA3 overexpressed in HEK293 cells

Primary Antibody Dilution: 1:1000

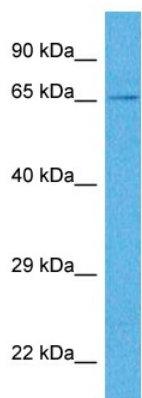
Secondary Antibody: Anti-rabbit-HRP

Secondary Antibody Dilution: 1:5000

Color/Signal Descriptions: PDE9A

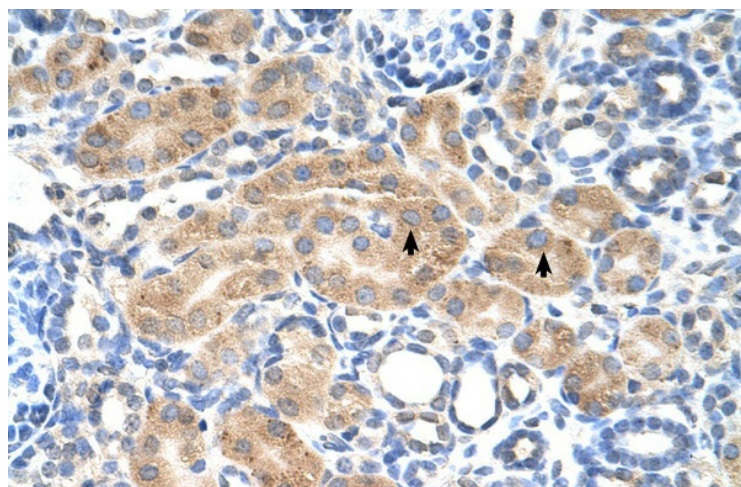
Gene Name: PDE9A

Kati Taal and Richard Tamme, Department of Gene Technology, Tallinn University of Technology. Submitted by:



Host: Rabbit
Target Name: PDE9A
Sample Type: HeLa Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: PDE9A
Sample Tissue: Human HeLa Whole Cell
Antibody Dilution: 1ug/ml



Human kidney