

## Product datasheet for **TA302564**

### PDE4D Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:128,000. WB: 0.1-0.3µg/ml.IHC:5µg/ml
Reactivity:	Human, Mouse
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence QPEACVIDDRSPDT, from the C Terminus of the protein sequence according to NP_006194.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	80097 Da
Gene Name:	phosphodiesterase 4D
Database Link:	<a href="#">NP_006194</a> <a href="#">Entrez Gene 238871 Mouse</a> <a href="#">Entrez Gene 5144 Human</a> <a href="#">Q08499</a>
Background:	The PDE4D gene is complex and has at least 9 different isoforms that encode functional proteins. These proteins degrade the second messenger cAMP, which is a key signal transduction molecule in multiple cell types, including vascular cells (Dominiczak and McBride, 2003 [PubMed 14517535]). [supplied by OMIM]
Synonyms:	ACRDYS2; DPDE3; HSPDE4D; PDE4DN2; PDE43; STRK1

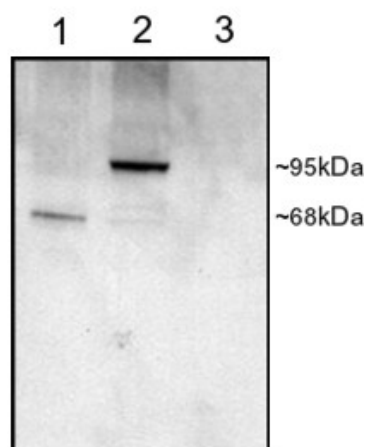


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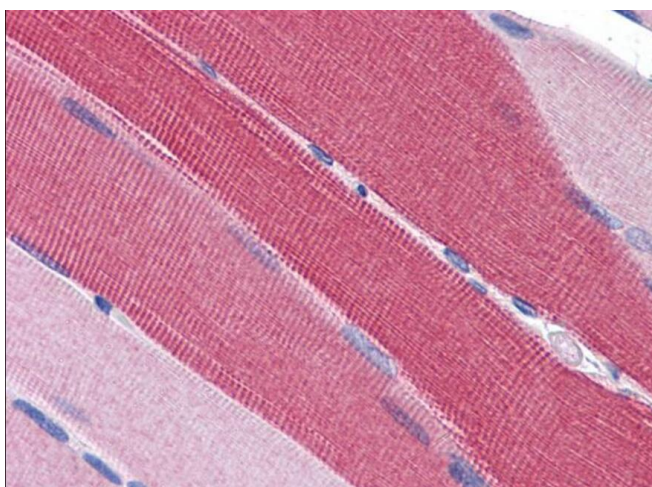
Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

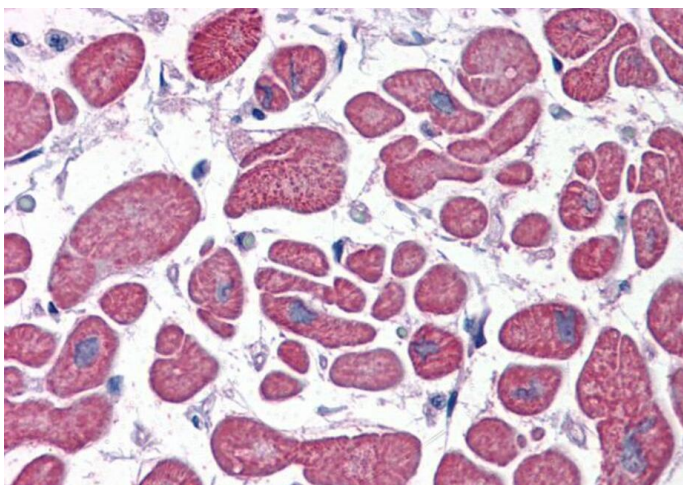
### Product images:



TA302564 staining (1ug/ml) of COS cell lysates (25ug protein): transfected with Human PDE4D1 (1), transfected with Human PDE4D3 (2), untransfected (3). Primary incubation was 1 hour. Detected by chemiluminescence.



TA302564 (5ug/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



TA302564 (5ug/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.