

Product datasheet for TA302566

PDE5A Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:16,000. WB: 0.3-2µg/ml.
Reactivity:	Human (Expected from sequence similarity: Rat, Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-LINGESGQAKRN, from the C Terminus of the protein sequence according to NP_001074; NP_237223; NP_246273; (NP_236914).
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.
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	98439 Da
Gene Name:	phosphodiesterase 5A
Database Link:	NP_236914 Entrez Gene 171115 RatEntrez Gene 403825 DogEntrez Gene 8654 Human
Background:	This gene encodes a cGMP-binding, cGMP-specific phosphodiesterase, a member of the cyclic nucleotide phosphodiesterase family. This phosphodiesterase specifically hydrolyzes cGMP to 5'-GMP. It is involved in the regulation of intracellular concentrations of cyclic nucleotides and is important for smooth muscle relaxation in the cardiovascular system. Alternative splicing of this gene results in three transcript variants encoding distinct isoforms. [provided by RefSeq]
Synonyms:	CGB-PDE; CN5A; PDE5
Protein Families:	Druggable Genome



[View online »](#)

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

Product images:



TA302566 staining (0.3ug/ml) of human lung lysate (RIPA buffer, 30ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.