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## anti-PDE5A antibody (C-Term)





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Quantity:	100 μg	
Target:	PDE5A	
Binding Specificity:	C-Term	
Reactivity:	Human	
Host:	Goat	
Clonality:	Polyclonal	
Conjugate:	This PDE5A antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)	

#### **Product Details**

Purpose:	PDE5A
Immunogen:	Peptide with sequence C-LINGESGQAKRN, from the C Terminus of the protein sequence according to NP_001074.2, NP_246273.2, NP_236914.2, (NP_237223).
Sequence:	LINGESGQAK RN
Isotype:	IgG
Specificity:	This antibody is expected to recognise reported isoforms NP_001074.2, NP_236914.2 and NP_246273.2.
Cross-Reactivity:	Cow, Dog, Human, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

### **Product Details** Grade: Verified **Target Details** Target: PDE5A PDE5A (PDE5A Products) Alternative Name Background: PDE5A, CN5A, PDE5, PDE5A1, CGB-PDE, phosphodiesterase 5A, cGMP-specific, cGMP-binding cGMP-specific 3',5'-cyclic nucleotide phosphodiesterase Gene ID: 8654 NCBI Accession: NP\_001074, NP\_246273, NP\_236914 Pathways: Regulation of G-Protein Coupled Receptor Protein Signaling **Application Details Application Notes:** Western Blot: In transfected HEK293 transiently expressing PDE5A isoform 2 a band of approx. 95 kDa is observed. This band is not observed in the non-transfected HEK293 (calculated MW of 94.8 kDa according to isoform 2, NP\_236914.2). Recommended concentrat Peptide ELISA: antibody detection limit dilution 1:16000. Comment: Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml For Research Use only Restrictions: Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Sodium azide Preservative: Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

#### Handling

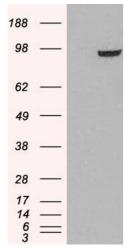
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

#### **Images**



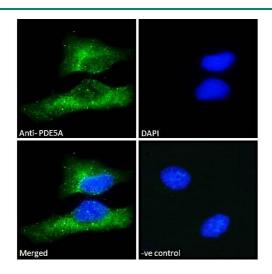
#### **Western Blotting**

**Image 1.** ABIN185350 staining (0.3µg/ml) of human lung lysate (RIPA buffer, 30µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



#### **Western Blotting**

**Image 2.** HEK293 overexpressing PDE5A (ABIN5454320) and probed with ABIN185350 (mock transfection in first lane).



#### **Immunofluorescence**

**Image 3.** ABIN185350 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (b

Please check the product details page for more images. Overall 4 images are available for ABIN185350.