

Datasheet for ABIN2789423  
**anti-PDE5A antibody (C-Term)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	PDE5A
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Sequence:	TACDLSAITK PWPIQQRIAE LVATEFFDQG DRERKELNIE PTDLMNREKK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 82%
Characteristics:	This is a rabbit polyclonal antibody against PDE5A. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	PDE5A
Alternative Name:	PDE5A ( <a href="#">PDE5A Products</a> )
Background:	This gene encodes a cGMP-binding, cGMP-specific phosphodiesterase, a member of the cyclic

## Target Details

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.

Alias Symbols: CGB-PDE, CN5A, PDE5, PDE5A1

Protein Interaction Partner: UBC, PRKG1, CASP3,

Protein Size: 823

Molecular Weight: 93 kDa

Gene ID: 8654

NCBI Accession: [NM\\_033437](#), [NP\\_246273](#)

UniProt: [O76074](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 823 AA

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

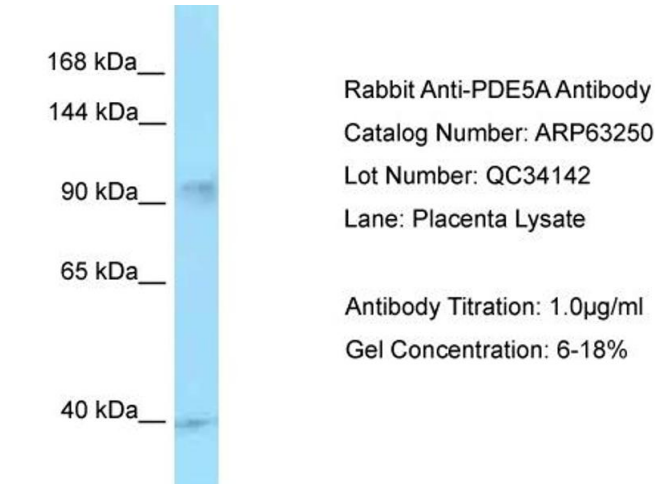
Storage: -20 °C

Storage Comment: 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.

Publications

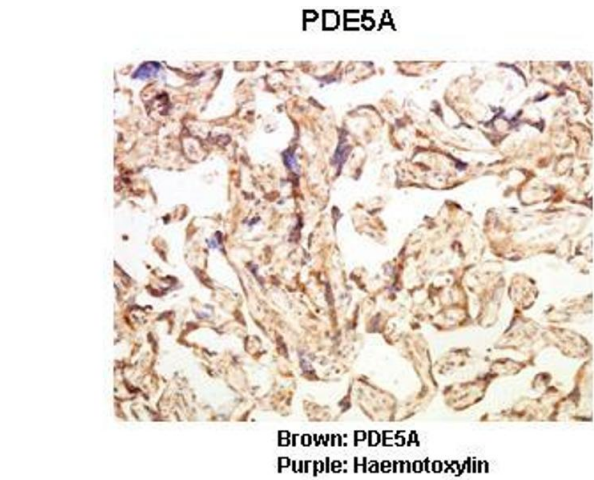
Product cited in: Ioki, Wu, Takayama, Motohashi, Wakai, Funahashi: "A phosphodiesterase type-5 inhibitor, sildenafil, induces sperm capacitation and penetration into porcine oocytes in a chemically defined medium." in: **Theriogenology**, Vol. 85, Issue 3, pp. 428-33, (2016) ([PubMed](#)).

Images



**Western Blotting**

**Image 1.**



**Immunohistochemistry**

**Image 2.** Sample Type: Human placental tissue

Primary Antibody Dilution: 1:100

Secondary Antibody: Goat anti rabbit-HRP

Secondary Antibody Dilution: 1:00,000

Color/Signal Descriptions: Brown: PDE5A Purple: Haematoxylin

Gene Name: PDE5A

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