

**DATASHEET**

**PDE5A Rabbit Polyclonal Antibody**

CAT. NO. APA14578

**KEY FEATURES**

Target	PDE5A	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This phosphodiesterase catalyzes the specific hydrolysis of cGMP to 5'-GMP . Specifically regulates nitric-oxide-generated cGMP .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

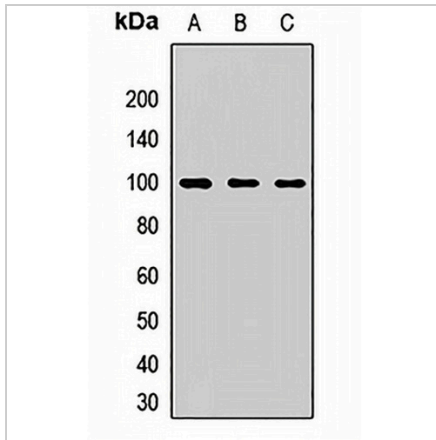
Description	Rabbit polyclonal antibody to PDE5A
Specificity	Recognizes endogenous levels of PDE5A protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PDE5A
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 94; Observed: 100 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	PDE5; cGMP-specific 3',5'-cyclic phosphodiesterase; cGMP-binding cGMP-specific phosphodiesterase; CGB-PDE
Gene Symbol	PDE5A
Entrez Gene	8654(Human); 242202(Mouse); 171115(Rat)
SwissProt	O76074(Human); Q8CG03(Mouse); O54735(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of PDE5A expression in A549 (A), mouse brain (B), rat skeletal muscle (C) whole cell lysates. (Predicted band size: 94; 99 kD; Observed band size: 100 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.