




Anti-PDE5A/PDE5 antibody ab28761

★★★★★ [1 Abreviews](#) [2 References](#) [画像数 3](#)

製品の概要

製品名	Anti-PDE5A/PDE5 antibody
製品の詳細	Goat polyclonal to PDE5A/PDE5
由来種	Goat
特異性	This antibody is expected to recognise all 4 reported isoforms (as represented by NP_001074; NP_236914; NP_246273). [NP_237223 has been retracted].
アプリケーション	適用あり: Flow Cyt (Intra), WB, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Rat, Cow, Dog 
免疫原	Synthetic peptide corresponding to Human PDE5A/PDE5 aa 864-875 (C terminal). Sequence: C-LINGESG QAKRN (Peptide available as ab45684)  Run BLAST with  Run BLAST with
ポジティブ・コントロール	Human lung lysate. Lysate prepared from transfected HEK293 cells transiently expressing PDE5A/PDE5 Flow Cyt (Intra): HEK293 cells.
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA

精製度	Immunogen affinity purified
特記事項(精製)	This antibody was purified from goat serum by ammonium sulphate precipitation, followed by antigen affinity chromatography using the immunizing peptide.
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

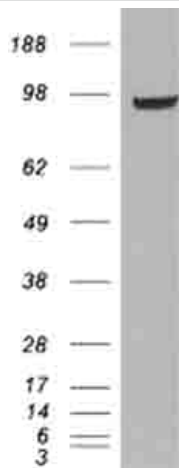
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab28761の使用に適用されず**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.
WB	★★★★★ (1)	Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 100 kDa (predicted molecular weight: 100 kDa). 1 hour primary incubation is recommended for this product.
ICC/IF		Use a concentration of 10 µg/ml.

ターゲット情報

機能	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.
組織特異性	Expressed in aortic smooth muscle cells, heart, placenta, skeletal muscle and pancreas and, to a much lesser extent, in brain, liver and lung.
パスウェイ	Purine metabolism; 3',5'-cyclic GMP degradation; GMP from 3',5'-cyclic GMP: step 1/1.
配列類似性	Belongs to the cyclic nucleotide phosphodiesterase family. Contains 2 GAF domains.
ドメイン	Composed of a C-terminal catalytic domain containing two putative divalent metal sites and an N-terminal regulatory domain which contains two homologous allosteric cGMP-binding regions, A and B.
翻訳後修飾	Phosphorylation is regulated by binding of cGMP to the two allosteric sites.

画像

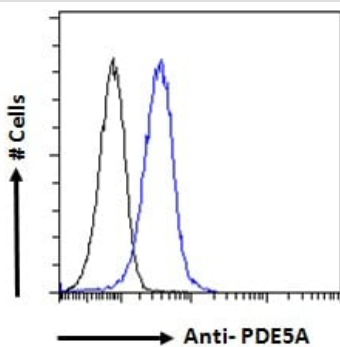


Western blot - Anti-PDE5A/PDE5 antibody (ab28761)

Anti-PDE5A/PDE5 antibody (ab28761) at 1 $\mu\text{g/ml}$ + lysate prepared from transfected HEK293 cells transiently expressing PDE5A/PDE5 (isoform 2)

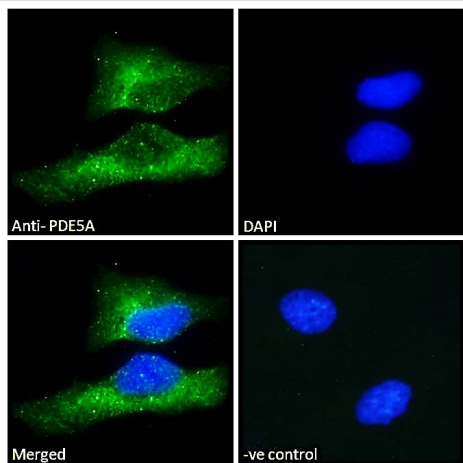
Predicted band size: 100 kDa

Observed band size: 95 kDa



Flow Cytometry (Intracellular) - Anti-PDE5A/PDE5 antibody (ab28761)

Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation with ab28761 1hr (10 $\mu\text{g/ml}$) followed by Alexa Fluor 488 secondary antibody (1 $\mu\text{g/ml}$). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation with ab28761 for 1hr (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml).

Immunocytochemistry/ Immunofluorescence - Anti-PDE5A/PDE5 antibody (ab28761)

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