

Product datasheet

Anti-PDE6D antibody ab5665

★★★★★ 1 Abreviews 1 References 2 Images

Overview

Product name	Anti-PDE6D antibody
Description	Rabbit polyclonal to PDE6D
Host species	Rabbit
Specificity	This antibody does not detect other PDE6 isoforms.
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Mouse, Cow
Immunogen	Synthetic peptide corresponding to Mouse PDE6D aa 1-16. Sequence: MSAKDERAR(D/E)ILRGFK (Peptide available as ab41788)
	 Run BLAST with  Run BLAST with
Positive control	ICC/IF: B3 cells, BAEC cells
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab5665 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/10 - 1/200.

Target

Function

Acts as a GTP specific dissociation inhibitor (GDI). Increases the affinity of ARL3 for GTP by several orders of magnitude and does so by decreasing the nucleotide dissociation rate. Stabilizes Arl3-GTP by decreasing the nucleotide dissociation.

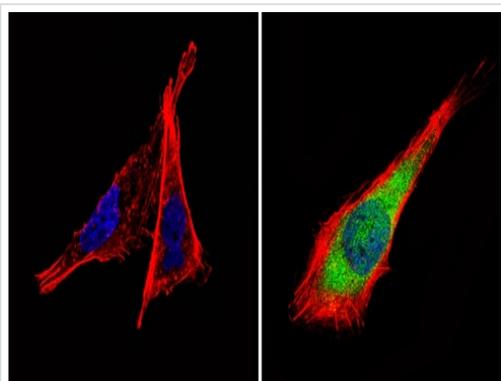
Tissue specificity

Retina.

Sequence similarities

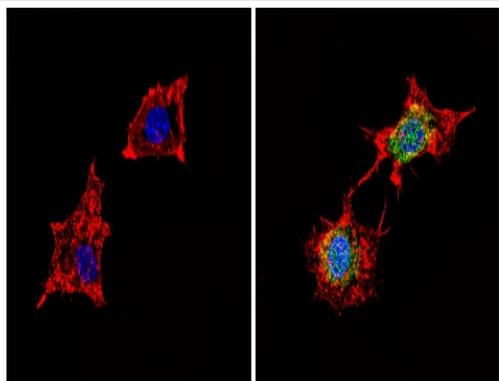
Belongs to the PDE6D/unc-119 family.

Images



Immunocytochemistry/ Immunofluorescence - Anti-PDE6D antibody (ab5665)

Immunocytochemistry/Immunofluorescence analysis of PDE6D (green) showing staining in the cytoplasm and nucleus of B-3 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with [ab5665](#) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



Immunocytochemistry/ Immunofluorescence - Anti-PDE6D antibody (ab5665)

Immunocytochemistry/Immunofluorescence analysis of PDE6D (green) showing staining in the cytoplasm and nucleus of BAEC cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with ab5665 in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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