


Anti-PDIA2/PDIP antibody [EPR12212] α b180931

Recombinant RabMAb

3 Images

Overview

Product name	Anti-PDIA2/PDIP antibody [EPR12212]
Description	Rabbit monoclonal [EPR12212] to PDIA2/PDIP
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human pancreas, HeLa, BxPC-3 and HepG2 cell lysates; HeLa cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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 long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR12212
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab180931 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
Flow Cyt (Intra)		1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Detects a band of approximately 65 kDa (predicted molecular weight: 58 kDa).

Target

Function

Acts as an intracellular estrogen-binding protein. May be involved in modulating cellular levels and biological functions of estrogens in the pancreas. May act as a chaperone that inhibits aggregation of misfolded proteins.

Tissue specificity

Highly expressed in pancreas (at protein level).

Sequence similarities

Belongs to the protein disulfide isomerase family.
Contains 2 thioredoxin domains.

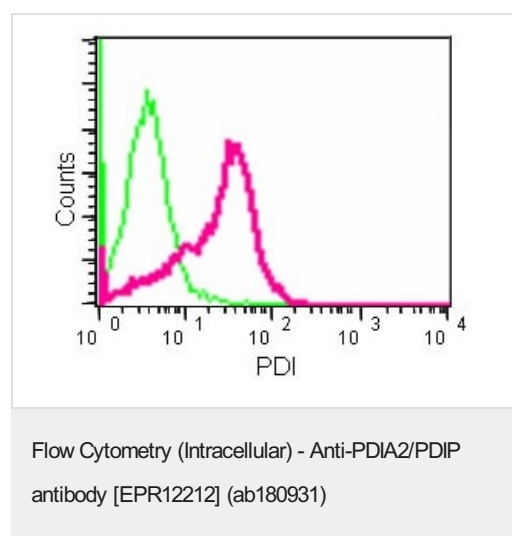
Post-translational modifications

The disulfide-linked homodimer exhibits an enhanced chaperone activity.
Glycosylated.

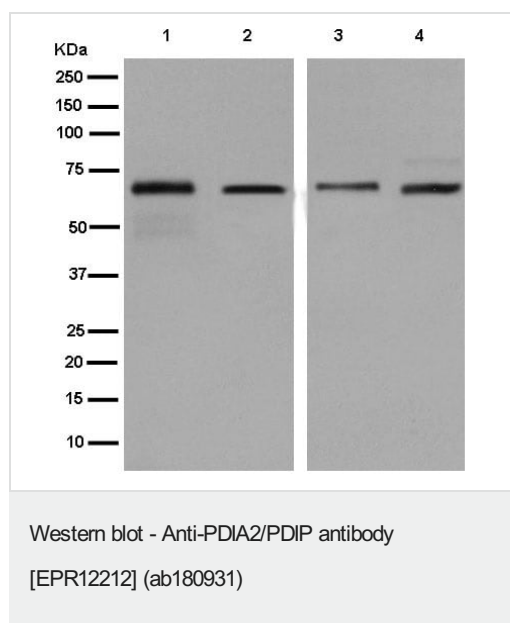
Cellular localization

Endoplasmic reticulum lumen.

Images



Intracellular flow cytometric analysis of HeLa cells (2% paraformaldehyde-fixed) labeling PDIA2/PDIP with ab180931 at 1/100 dilution (green) or Rabbit monoclonal IgG (red), followed with Goat anti rabbit IgG (FITC) secondary antibody at 1/150 dilution.



All lanes : Anti-PDIA2/PDIP antibody [EPR12212] (ab180931) at 1/20000 dilution

Lane 1 : Human pancreas lysate

Lane 2 : HeLa cell lysate

Lane 3 : BxPC-3 cell lysate

Lane 4 : HepG2 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 58 kDa

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-PDIA2/PDIP antibody [EPR12212] (ab180931)

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

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