

Datasheet for ABIN2782658  
**anti-PDIA4 antibody (N-Term)**[Go to Product page](#)

4 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	PDIA4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Zebrafish (Danio rerio), Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDIA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PDIA4
Sequence:	ENAIEDEEEE EEEDDDEEED DLEVKEENGV LVLNDANFDN FVADKDTVLL
Predicted Reactivity:	Cow: 86%, Dog: 100%, Human: 100%, Mouse: 87%, Pig: 100%, Rabbit: 92%, Rat: 92%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against PDIA4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	PDIA4
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## Target Details

Alternative Name:	PDIA4 ( <a href="#">PDIA4 Products</a> )
Background:	<p>The specific function of PDIA4 is not yet known.</p> <p>Alias Symbols: ERP70, ERP72, ERp-72</p> <p>Protein Interaction Partner: PCSK9, UBC, GPX7, MDM2, TATDN1, OGFOD1, ISOC1, TWF2, PROSC, NAE1, STK24, YWHAH, YWHAE, VCL, TUFM, RAP1GDS1, PTMA, PRCP, PPP1R2, PAFAH1B2, PAFAH1B1, MYO1E, MSN, HMGB3, GSS, TBCB, CAPNS1, CAPN2, ALDH7A1, ASNS, STK26, PARK2, ERO1LB, gag-pol, ERO1L, PDIA3, AT</p> <p>Protein Size: 645</p>
Molecular Weight:	73 kDa
Gene ID:	9601
NCBI Accession:	<a href="#">NM_004911</a> , <a href="#">NP_004902</a>
UniProt:	<a href="#">P13667</a>
Pathways:	<a href="#">Thyroid Hormone Synthesis</a> , <a href="#">Cell RedoxHomeostasis</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 645 AA
Restrictions:	For Research Use only

## Handling

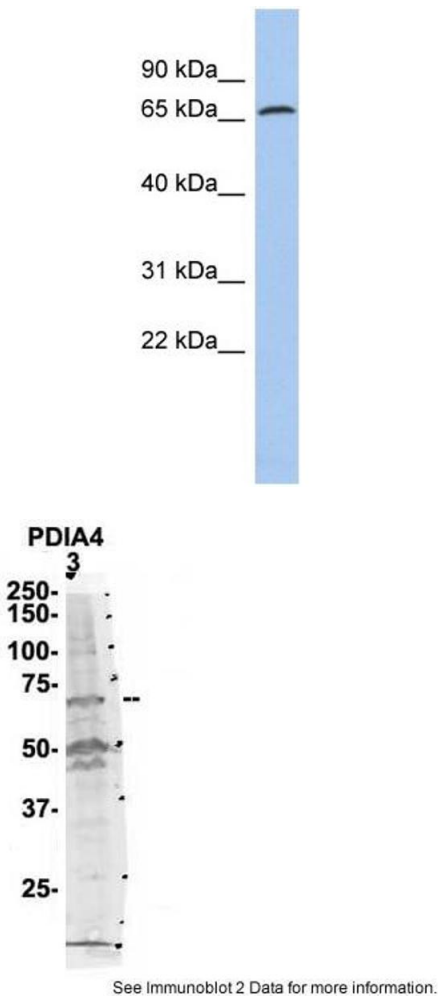
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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: Suzuki, Fujisawa, Ando, Niino, Ohsawa, Shimokata, Ohta: "Alcohol dehydrogenase 2 variant is associated with cerebral infarction and lacunae." in: **Neurology**, Vol. 63, Issue 9, pp. 1711-3, (2004) ([PubMed](#)).

Images



**Western Blotting**

**Image 1.** WB Suggested Anti-PDIA4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Liver

**Western Blotting**

**Image 2. Sample Type:** 3. rat brain extract (80ug)

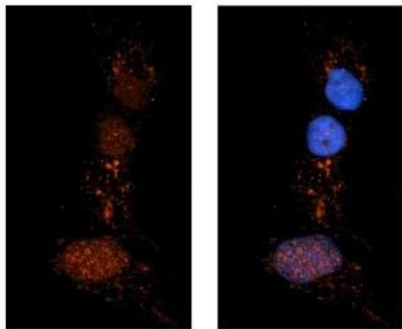
**Primary Antibody Dilution:** 2ug/ml

**Secondary Antibody:** IRDye 800CW goat anti-rabbit from Li-COR Bioscience

**Secondary Antibody Dilution:** 1: 20,000

**Image Submitted by:** Yuzhi Chen  
University of Arkansas for Medical Science

PDIA4



Immunohistochemistry

**Image 3. Sample Type:** NT2 cells  
**Red:** Antibody  
**Blue:** DAPI  
**Primary Dilution:** 1ug/50ul antibody  
**Secondary Antibody:** Alexa goat anti-rabbit 594  
**Image Submitted by:** Yuzhi Chen, University of Arkansas for Medical Sciences

See Immunohistochemistry 1 Data and Customer Feedback tab for more information.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2782658.