Datasheet for ABIN2782657

# anti-PDIA4 antibody (Middle Region)

3 Images | 1 Publication

Go to Product page

## Overview

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

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human PDIA4 |
| Sequence: | TAFKKGKLKP VIKSQPVPKN NKGPVKVVVG KTFDSIVMDP KKDVLIEFYA |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93% |
| 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

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| Target: | PDIA4 |

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## Target Details

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| Alternative Name: | PDIA4 (PDIA4 Products) |
| Background: | The specific function of PDIA4 is not yet known.<br>Alias Symbols: ERP70, ERP72, ERp-72<br>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<br>Protein Size: 645 |
| Molecular Weight: | 73 kDa |
| Gene ID: | 9601 |
| NCBI Accession: | NM_004911, NP_004902 |
| UniProt: | P13667 |
| Pathways: | Thyroid Hormone Synthesis, Cell RedoxHomeostasis |

## Application Details

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

## Handling

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| 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 |

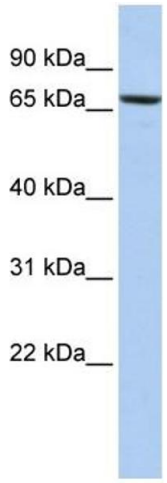
## Handling

aliquots to prevent freeze-thaw cycles.

## Publications

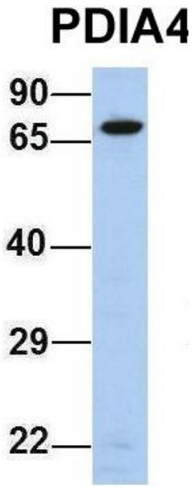
Product cited in: Hamada, Tashiro, Tada, Inazawa, Shirozu, Shibahara, Nakamura, Martina, Nakano, Honjo: " Isolation and characterization of a novel secretory protein, stromal cell-derived factor-2 (SDF-2) using the signal sequence trap method." in: **Gene**, Vol. 176, Issue 1-2, pp. 211-4, (1997) ( PubMed).

## Images



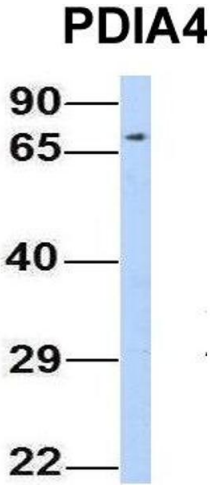

**Western Blotting**

**Image 1.** WB Suggested Anti-PDIA4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate PDIA4 is supported by BioGPS gene expression data to be expressed in HepG2




**Western Blotting**

**Image 2.** Host: Rabbit Target Name: PDIA4 Sample Type: 721_B Antibody Dilution: 1.0ug/ml PDIA4 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells




**Western Blotting**

**Image 3.** Host: Rabbit Target Name: PDIA4 Sample Type: 293T Antibody Dilution: 1.0ug/ml PDIA4 is strongly supported by BioGPS gene expression data to be expressed in HEK293T

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