

Anti-PIDD1 antibody ab232773

4 Images

Overview

Product name	Anti-PIDD1 antibody
Description	Rabbit polyclonal to PIDD1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Rat, Human
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Human PIDD1 aa 694-885. (Expressed in E.coli). Database link: Q9HB75
Positive control	WB: Recombinant human PIDD1 protein; HEK-293T whole cell lysate; Rat liver tissue lysate. IHC-P: Human kidney tissue.
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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab232773 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
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 100 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

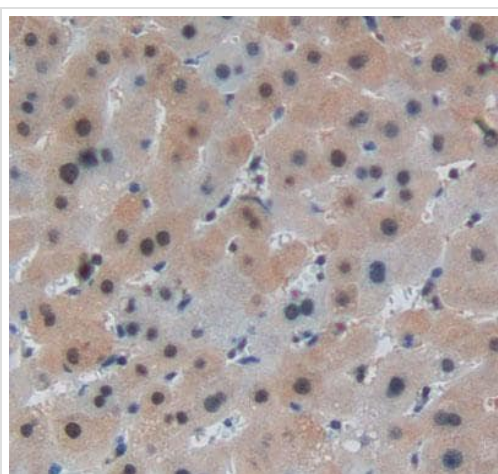
Relevance

The death domain (DD) containing protein PIDD is a p53 target gene in an erythroleukemia cell line that undergoes G1 phase arrest and subsequent apoptosis after p53 expression. Independently, PIDD was also described as a DD-containing protein with unknown function. The N-terminal region of PIDD contains seven leucine-rich repeats (LRRs), a protein interaction motif found in various proteins with diverse functions, followed by two ZU-5 domains and a C-terminal DD. PIDD forms a complex with caspase-2 and the adaptor protein RAIDD. Increased PIDD expression results in spontaneous activation of caspase-2 and sensitization to apoptosis by genotoxic stimuli, via interaction with caspase-2 and CRADD/RAIDD. PIDD also promotes apoptosis downstream of p53 as component of the DNA damage/stress response pathway that connects p53/TP53 to apoptosis. PIDD has also been shown to interact with NEMO/IKBKG and RIP1 and enhance sumoylation and ubiquitination of NEMO/IKBKG, an important component for activation of the transcription factor NF-kappa-B.

Cellular localization

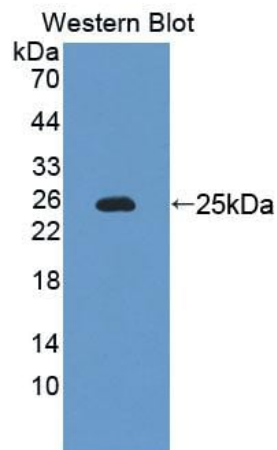
Cytoplasm. Nucleus.

Images



Formalin-fixed, paraffin-embedded human kidney tissue stained for PIDD1 using ab232773 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PIDD1 antibody (ab232773)

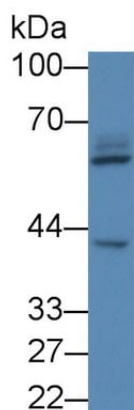


Western blot - Anti-PIDD1 antibody (ab232773)

Anti-PIDD1 antibody (ab232773) at 1 µg/ml + Recombinant human PIDD1 protein

Developed using the ECL technique.

Predicted band size: 100 kDa



Western blot - Anti-PIDD1 antibody (ab232773)

Anti-PIDD1 antibody (ab232773) at 1 µg/ml + HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Developed using the ECL technique.

Predicted band size: 100 kDa



Western blot - Anti-PIDD1 antibody (ab232773)

Anti-PIDD1 antibody (ab232773) at 1 µg/ml + Rat liver tissue lysate

Developed using the ECL technique.

Predicted band size: 100 kDa

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors