

Product datasheet

Anti-PDXK.1 antibody ab232812

8 Images

Overview

Product name	Anti-PDXK.1 antibody
Description	Rabbit polyclonal to PDXK.1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	<p>Recombinant fragment (His-T7-tag) corresponding to Mouse PDXK.1 aa 29-285. Two N-terminal tags. Expressed in E.coli.</p> <p>Sequence:</p> <p>QVLGFEVDAVNSVQFSNHTGYAHWKQVLKSQELHELYE GLKVNDVNKYD YVLTGYTRDKSFLAMVVDIVRELKQQNSRLVYVCDPVMG DKWNGEGSMYV PQDLLPVYRDKVVPVADIITPNQFEAELLSGRKIHSQEEAF EVMDMLHCM GPDTVVITSSDLPSSQGS DYLIALGSQRMRKPDGSTVTQRI RMEMRKVEA VVFGTGDLFAAMLLAWTHKHPDNLKVACEKTVSAMQHVL QRTIRCAKAEA GEGQKPS</p> <p>Database link: Q8K183</p> <p style="text-align: right;"> Run BLAST with Run BLAST with </p>
Positive control	IHC-P: Mouse brain, kidney, stomach, oviduct, ovary and uterus tissues. WB: Recombinant mouse PDXK. 1 protein; Mouse liver and lung lysates; Rat liver lysate; HeLa whole cell lysate (ab150035).
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is</p>

Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab232812** 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
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 35 kDa.

Target

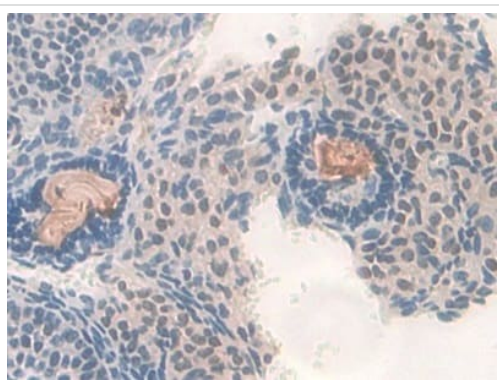
Function	Required for synthesis of pyridoxal-5-phosphate from vitamin B6.
Tissue specificity	Ubiquitous. Isoform 3 is detected in adult testis and spermatozoa.
Sequence similarities	Belongs to the pyridoxine kinase family.
Cellular localization	Cytoplasm.

Images



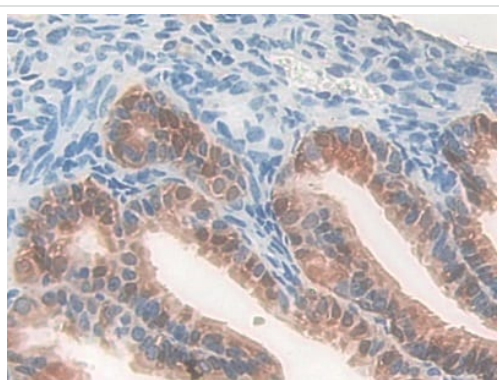
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDXK.1 antibody (ab232812)

Formalin-fixed, paraffin-embedded mouse uterus tissue stained for PDXK.1 using ab232812 at 20 μ g/mL in immunohistochemical analysis. DAB staining.



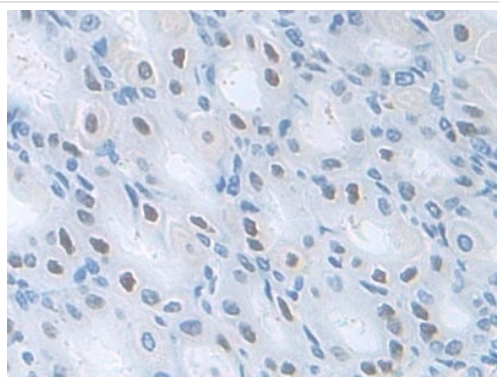
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDXK.1 antibody (ab232812)

Formalin-fixed, paraffin-embedded mouse ovary tissue stained for PDXK.1 using ab232812 at 20 μ g/mL in immunohistochemical analysis. DAB staining.



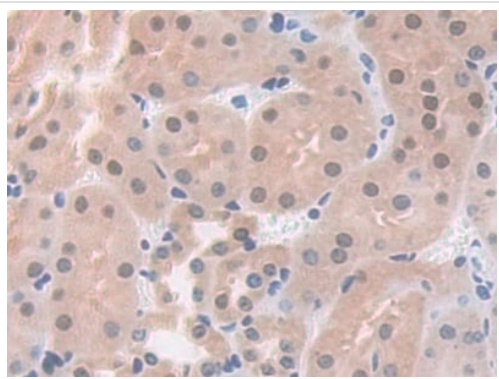
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDXK.1 antibody (ab232812)

Formalin-fixed, paraffin-embedded mouse oviduct tissue stained for PDXK.1 using ab232812 at 20 μ g/mL in immunohistochemical analysis. DAB staining.



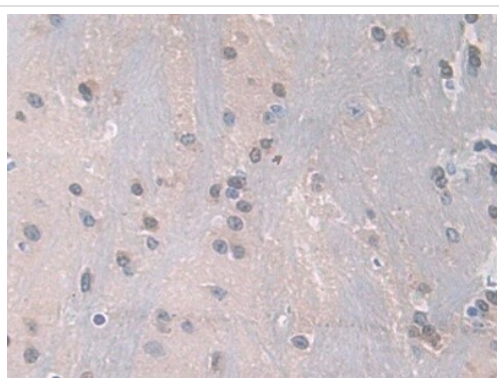
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDXK.1 antibody (ab232812)

Formalin-fixed, paraffin-embedded mouse stomach tissue stained for PDXK.1 using ab232812 at 20 μ g/mL in immunohistochemical analysis. DAB staining.



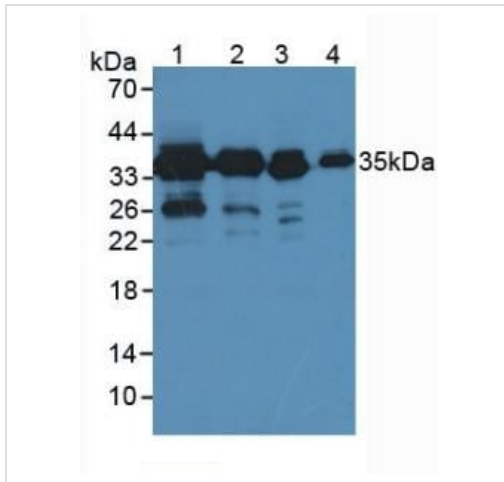
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDXK.1 antibody (ab232812)

Formalin-fixed, paraffin-embedded mouse kidney tissue stained for PDXK.1 using ab232812 at 20 μ g/mL in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDXK.1 antibody (ab232812)

Formalin-fixed, paraffin-embedded mouse brain tissue stained for PDXK.1 using ab232812 at 10 μ g/mL in immunohistochemical analysis. DAB staining.



Western blot - Anti-PDXK.1 antibody (ab232812)

All lanes : Anti-PDXK.1 antibody (ab232812) at 2 µg/ml

Lane 1 : Mouse liver tissue lysate.

Lane 2 : Mouse lung tissue lysate.

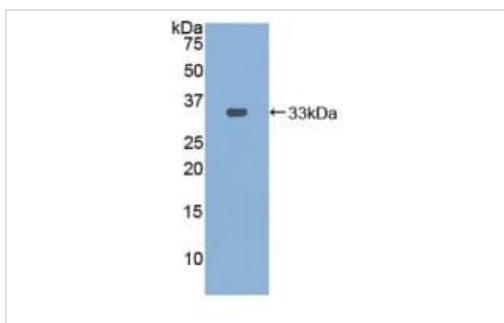
Lane 3 : Rat liver tissue lysate.

Lane 4 : HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

Secondary

All lanes : HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Predicted band size: 35 kDa



Western blot - Anti-PDXK.1 antibody (ab232812)

Anti-PDXK.1 antibody (ab232812) at 2 µg/ml + Recombinant mouse PDXK. 1 protein.

Predicted band size: 35 kDa

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

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