




Anti-PTPIP51 antibody ab224081

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Overview

Product name	Anti-PTPIP51 antibody
Description	Rabbit polyclonal to PTPIP51
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Orangutan 
Immunogen	Recombinant fragment corresponding to Human PTPIP51 aa 150-350. Database link: Q96TC7 <div>  Run BLAST with  Run BLAST with </div>
Positive control	WB: Caco-2 cell lysate. ICC/IF: U-2 OS cells. IHC-P: Human testis and skin 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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab224081 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
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 52 kDa.
IHC-P		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

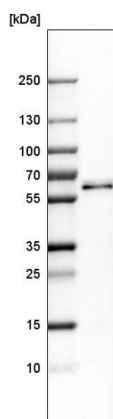
Relevance

FAM82A2, or family with sequence similarity 82, member C, may participate in differentiation and apoptosis of keratinocytes. Overexpression of FAM82A2 induces apoptosis.

Cellular localization

Mitochondrion membrane; Single-pass membrane protein. Cytoplasm. Nucleus. Note=In interphase localizes in the cytoplasm, and during mitosis localizes to the spindle microtubules and spindle poles.

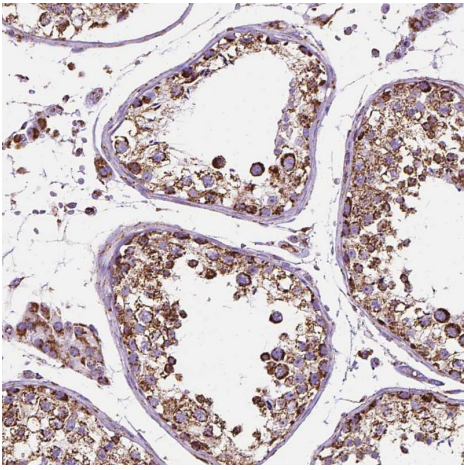
Images



Western blot - Anti-PTPIP51 antibody (ab224081)

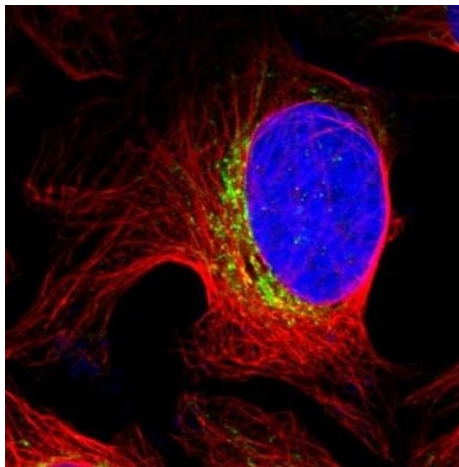
Anti-PTPIP51 antibody (ab224081) at 1/250 dilution + Caco-2
(human colorectal adenocarcinoma cell line) cell lysate

Predicted band size: 52 kDa



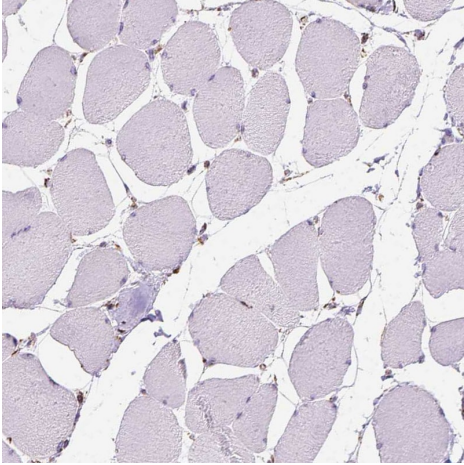
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTPIP51 antibody (ab224081)

Paraffin-embedded human testis tissue staining PTPIP51 with ab224081 at 1/500 dilution in immunohistochemical analysis. Strong cytoplasmic positivity in seminiferous duct cells.



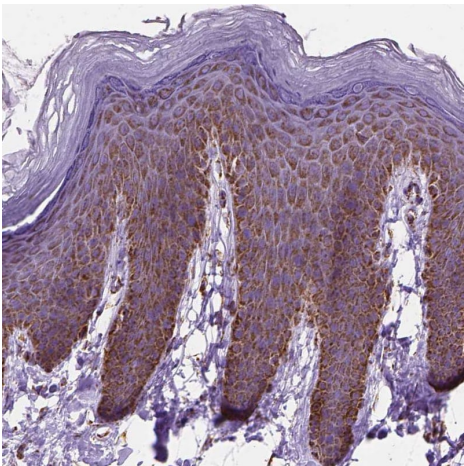
Immunocytochemistry/ Immunofluorescence - Anti-PTPIP51 antibody (ab224081)

PFA-fixed, Triton X-100 permeabilized U-2 OS (human bone osteosarcoma epithelial cell line) cells stained for PTPIP51 (green) using ab224081 (4 µg/ml) in ICC/IF.



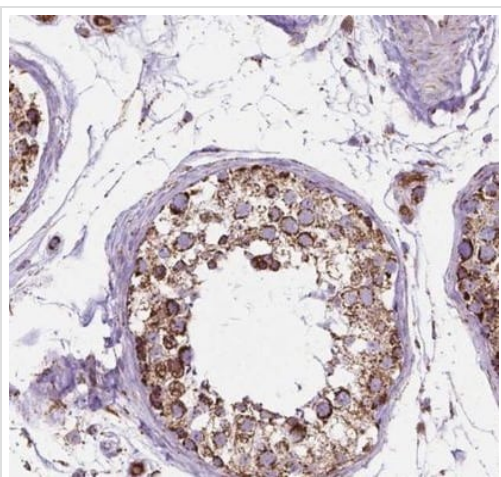
Paraffin-embedded human skeletal muscle tissue staining PTPIP51 with ab224081 at 1/500 dilution in immunohistochemical analysis.
Weak cytoplasmic positivity in myocytes.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTPIP51 antibody (ab224081)



Paraffin-embedded human skin tissue staining PTPIP51 with ab224081 at 1/500 dilution in immunohistochemical analysis.
Moderate to strong cytoplasmic positivity in keratinocytes.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTPIP51 antibody (ab224081)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTPIP51 antibody (ab224081)

Paraffin embedded human testis tissue stained for PTPIP51 with ab224081 (1/1000 dilution) in immunohistochemical analysis.

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