



Anti-CD276 antibody ab232791

5 Images

Overview

Product name	Anti-CD276 antibody
Description	Rabbit polyclonal to CD276
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment (His-tag) corresponding to Human CD276 aa 1-250. N-terminal tag. Expressed in E. coli. Database link: Q5ZPR3
	<div>  Run BLAST with  Run BLAST with </div>
Positive control	WB: Recombinant human CD276 protein. HEK-293T, MCF7 and PC-3 cell lysate. IHC-P: Human liver cancer, prostate and 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: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Protein A purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

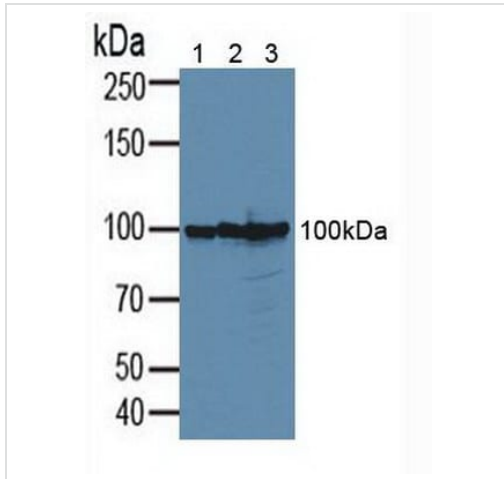
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232791 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 2 µg/ml.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function	May participate in the regulation of T-cell-mediated immune response. May play a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. May be involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. Could also play a key role in providing the placenta and fetus with a suitable immunological environment throughout pregnancy. Both isoform 1 and isoform 2 appear to be redundant in their ability to modulate CD4 T-cell responses. Isoform 2 is shown to enhance the induction of cytotoxic T-cells and selectively stimulates interferon gamma production in the presence of T-cell receptor signaling.
Tissue specificity	Ubiquitous but not detectable in peripheral blood lymphocytes or granulocytes. Weakly expressed in resting monocytes. Expressed in dendritic cells derived from monocytes. Expressed in epithelial cells of sinonasal tissue. Expressed in extravillous trophoblast cells and Hofbauer cells of the first trimester placenta and term placenta.
Sequence similarities	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 2 Ig-like V-type (immunoglobulin-like) domains.
Cellular localization	Membrane.

Images



Western blot - Anti-CD276 antibody (ab232791)

All lanes : Anti-CD276 antibody (ab232791) at 3 µg/ml

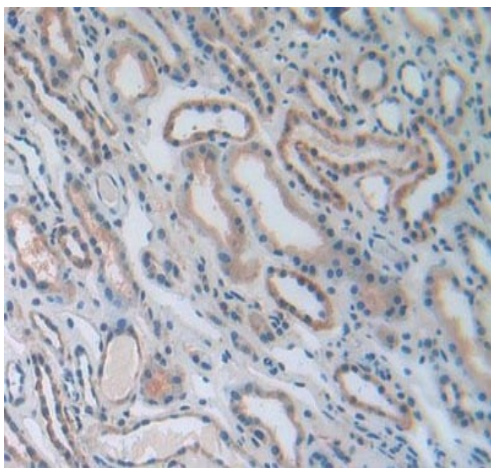
Lane 1 : HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate

Lane 2 : PC-3 (Human prostate adenocarcinoma cell line) cell lysate

Lane 3 : MCF7 (Human breast adenocarcinoma cell line) cell lysate

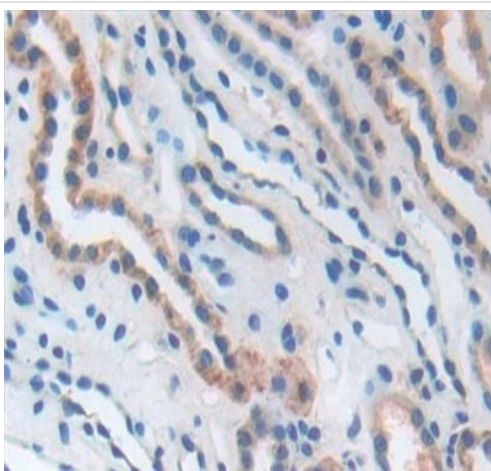
Secondary

All lanes : HRP-linked Guinea pig anti-Rabbit at 1/2000 dilution



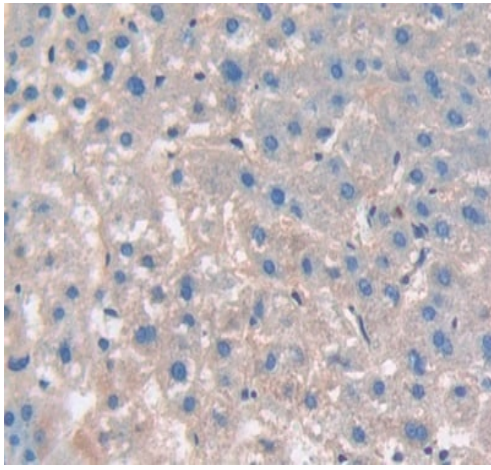
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD276 antibody (ab232791)

Formalin-fixed, paraffin-embedded human prostate tissue stained for CD276 with ab232791 at 10 µg/ml in immunohistochemical analysis. DAB staining.



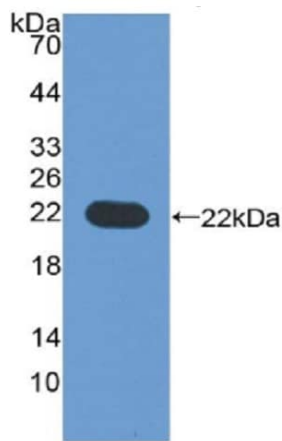
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD276 antibody (ab232791)

Formalin-fixed, paraffin-embedded human kidney tissue stained for CD276 with ab232791 at 10 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD276 antibody (ab232791)

Formalin-fixed, paraffin-embedded human liver tissue stained for CD276 with ab232791 at 10 µg/ml in immunohistochemical analysis. DAB staining.



Western blot - Anti-CD276 antibody (ab232791)

Anti-CD276 antibody (ab232791) at 3 µg/ml + Recombinant human CD276 protein.

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

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