

Product datasheet

Anti-Poliovirus Receptor/PVR antibody ab233102

3 Images

Overview

Product name	Anti-Poliovirus Receptor/PVR antibody
Description	Rabbit polyclonal to Poliovirus Receptor/PVR
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	<p>Recombinant fragment (His-tag) corresponding to Human Poliovirus Receptor/PVR aa 56-309. Expressed in E.coli.</p> <p>Sequence:</p> <p>MEVTHVSQLTWARHGESGSMVAFHQQTGGPSYSESKR LEFVAARLGAE LRN ASLRMFGLRVEDEGNYTCLFVTFPQGSRSVDIWLRLV AKPQNTAEVQKVQ LTGEPVPMARCVSTGGRPPAQITWHS DLGGMPNTSQ VPGF LSGTVTVTSL WILVPSSQVDGKNVTCKVEHESFEKPQLLTVNLT VYYP PEVSISGYDNNW YLGQNEATLTCDARSNPEPTGYNWSTTMGPLPPFAVA QGAQLLIRPVDKP INTT</p> <p>Database link: P15151-1</p> <p style="text-align: right;"> Run BLAST with  Run BLAST with</p>
Positive control	WB: Recombinant human Poliovirus Receptor/PVR protein; Human liver lysate; Mouse heart lysate. IHC-P: Human breast cancer tissue.
General notes	This product was previously labelled as Poliovirus Receptor

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 **ab233102** 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 0.5 - 5 µg/ml. Predicted molecular weight: 45 kDa.

Target

Function

Mediates NK cell adhesion and triggers NK cell effector functions. Binds two different NK cell receptors: CD96 and CD226. These interactions accumulates at the cell-cell contact site, leading to the formation of a mature immunological synapse between NK cell and target cell. This may trigger adhesion and secretion of lytic granules and IFN-gamma and activate cytotoxicity of activated NK cells. May also promote NK cell-target cell modular exchange, and PVR transfer to the NK cell. This transfer is more important in some tumor cells expressing a lot of PVR, and may trigger fratricide NK cell activation, providing tumors with a mechanism of immunoevasion. Plays a role in mediating tumor cell invasion and migration. Serves as a receptor for poliovirus attachment to target cells. May play a role in axonal transport of poliovirus, by targeting virion-PVR-containing endocytic vesicles to the microtubular network through interaction with DYNLT1. This interaction would drive the virus-containing vesicle to the axonal retrograde transport.

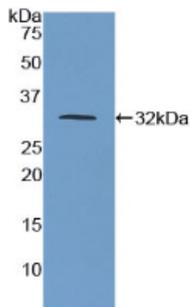
Sequence similarities

Belongs to the nectin family.
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Cellular localization

Secreted and Cell membrane.

Images



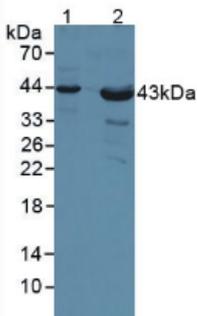
Western blot - Anti-Poliovirus Receptor/PVR antibody (ab233102)

Anti-Poliovirus Receptor/PVR antibody (ab233102) + Recombinant human Poliovirus Receptor/PVR protein

Secondary

HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

Predicted band size: 45 kDa



Western blot - Anti-Poliovirus Receptor/PVR antibody (ab233102)

All lanes : Anti-Poliovirus Receptor/PVR antibody (ab233102) at 3 µg

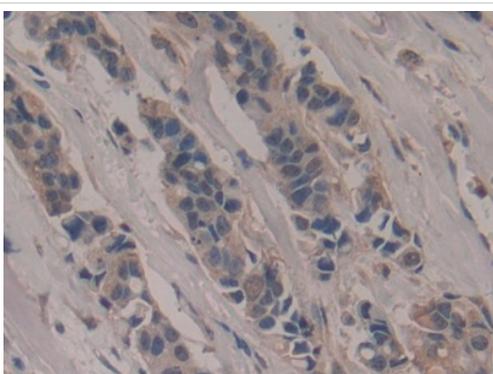
Lane 1 : Human liver lysate

Lane 2 : Mouse heart lysate

Secondary

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

Predicted band size: 45 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Poliovirus Receptor/PVR antibody (ab233102)

Formalin-fixed, paraffin-embedded human breast cancer tissue stained for Poliovirus Receptor/PVR using ab233102 at 10 µg/ml in immunohistochemical analysis. DAB staining.

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

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