

Product datasheet

Anti-Glypican 3 antibody [EPR5547] ab124829

Recombinant RabMAb

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Overview

Product name	Anti-Glypican 3 antibody [EPR5547]
Description	Rabbit monoclonal [EPR5547] to Glypican 3
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Synthetic peptide within Human Glypican 3 aa 500-600. The exact sequence is proprietary.
Positive control	SH-SY5Y, Jurkat and HepG2 cell lysates
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5547

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab124829 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		1/10000 - 1/50000. Detects a band of approximately 66 kDa (predicted molecular weight: 66 kDa).

Application notes

Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

Function

Cell surface proteoglycan that bears heparan sulfate. Inhibits the dipeptidyl peptidase activity of DPP4. May be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs. May play a role in the modulation of IGF2 interactions with its receptor and thereby modulate its function. May regulate growth and tumor predisposition.

Tissue specificity

Highly expressed in lung, liver and kidney.

Involvement in disease

Defects in GPC3 are the cause of Simpson-Golabi-Behmel syndrome type 1 (SGBS1) [MIM:312870]; also known as Simpson dysmorphia syndrome (SDYS). SGBS is a condition characterized by pre- and postnatal overgrowth (gigantism) with visceral and skeletal anomalies.

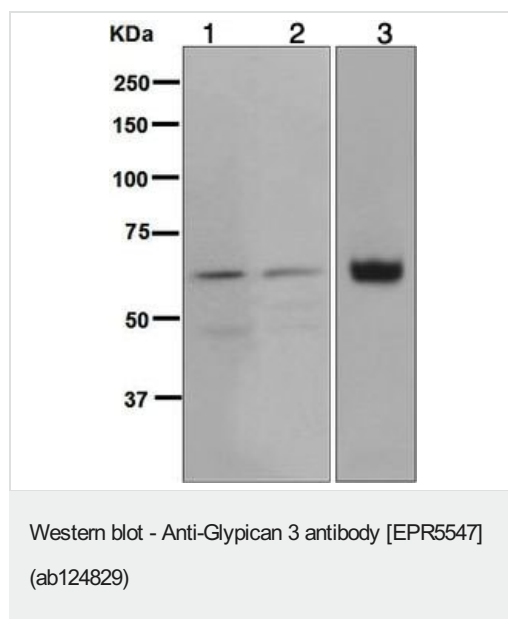
Sequence similarities

Belongs to the glypican family.

Cellular localization

Cell membrane and Secreted > extracellular space.

Images



All lanes : Anti-Glypican 3 antibody [EPR5547] (ab124829) at 1/10000 dilution

Lane 1 : SH-SY5Y cell lysate

Lane 2 : Jurkat cell lysate

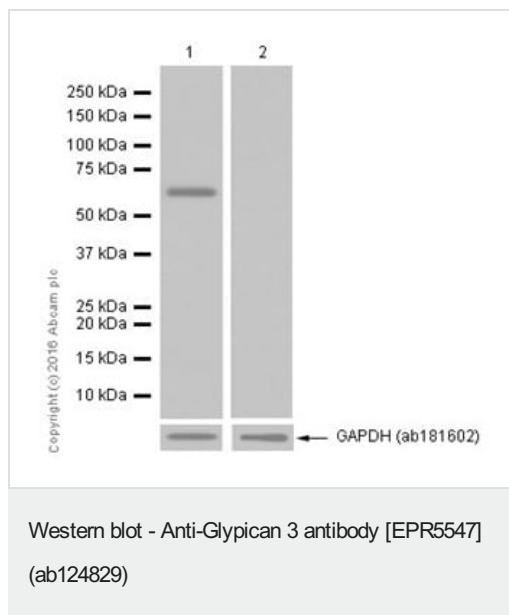
Lane 3 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 66 kDa



All lanes : Anti-Glypican 3 antibody [EPR5547] (ab124829) at 1/50000 dilution

Lane 1 : HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysates

Lane 2 : A549 (Human lung carcinoma cell line) whole cell lysates

Lysates/proteins at 15 µg per lane.

Secondary





All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/20000 dilution

Predicted band size: 66 kDa

Blocking and diluting buffer: 5% NFDM/TBST

Exposure time: 15 seconds

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Glypican 3 antibody [EPR5547] (ab124829)

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

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