

Product datasheet

Anti-Glypican 3 antibody [GPC3/863] - BSA and Azide free ab212411

[4 Images](#)

Overview

Product name	Anti-Glypican 3 antibody [GPC3/863] - BSA and Azide free
Description	Mouse monoclonal [GPC3/863] to Glypican 3 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Rat, Human
Immunogen	Recombinant full length protein corresponding to Human Glypican 3 aa 1-580. Database link: P51654
Positive control	293T cells or Hepatocellular carcinoma
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: 7.2 Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor Concentrate by Protein A/G
Clonality	Monoclonal
Clone number	GPC3/863

Isotype	IgG1
Light chain type	kappa

Applications

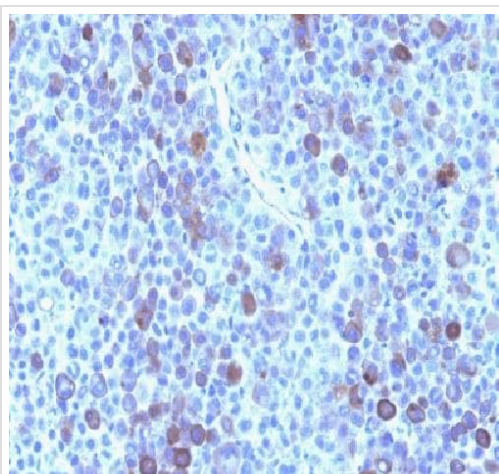
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab212411 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

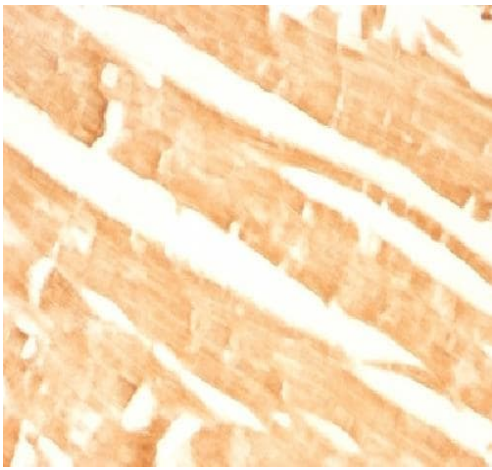
Function	Cell surface proteoglycan that bears heparan sulfate. Inhibits the dipeptidyl peptidase activity of DPP4. May be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs. May play a role in the modulation of IGF2 interactions with its receptor and thereby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



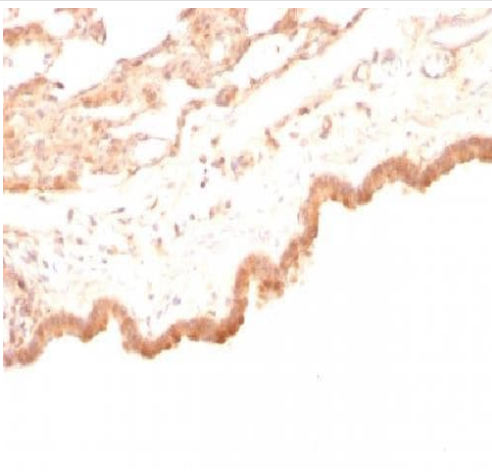
Immunohistochemical analysis of formalin fixed paraffin embedded Human Melanoma labeling Glypican 3 using ab212411 at 1 µg/ml dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glypican 3 antibody [GPC3/863] - BSA and Azide free (ab212411)



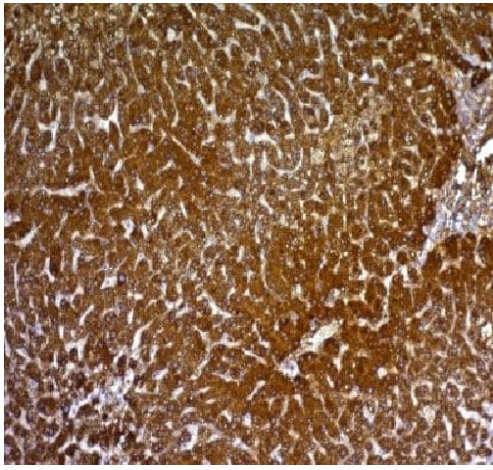
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glypican 3 antibody [GPC3/863] - BSA and Azide free (ab212411)

Immunohistochemical analysis of formalin fixed paraffin embedded Rat heart tissue labeling Glypican 3 using ab212411 at 1 µg/ml dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glypican 3 antibody [GPC3/863] - BSA and Azide free (ab212411)

Immunohistochemical analysis of formalin fixed paraffin embedded Rat lung tissue labeling Glypican 3 using ab212411 at 1 µg/ml dilution.



Immunohistochemical analysis of formalin fixed paraffin embedded Human hepatocellular carcinoma tissue labeling Glypican 3 using ab212411 at 1 µg/ml dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glypican 3 antibody [GPC3/863] - BSA and Azide free (ab212411)

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

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