

Product datasheet

Anti-IDH1 antibody [IDH1/1152] - BSA and Azide free ab212470

[2 Images](#)

Overview

Product name	Anti-IDH1 antibody [IDH1/1152] - BSA and Azide free
Description	Mouse monoclonal [IDH1/1152] to IDH1 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human IDH1 aa 281-414. The exact sequence is proprietary. Database link: O75874
Positive control	HepG2, HeLa, HT29 or MCF7 cells; Breast, Colon or Prostate 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 G purified
Clonality	Monoclonal
Clone number	IDH1/1152
Isotype	IgG1

Light chain type

kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab212470 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

Involvement in disease

Glioma

Genetic variations are associated with cartilaginous tumors such as enchondroma or chondrosarcoma. Mutations of Arg-132 to Cys, Gly or His abolish the conversion of isocitrate to alpha-ketoglutarate. Instead, alpha-ketoglutarate is converted to R(-)-2-hydroxyglutarate.

Sequence similarities

Belongs to the isocitrate and isopropylmalate dehydrogenases family.

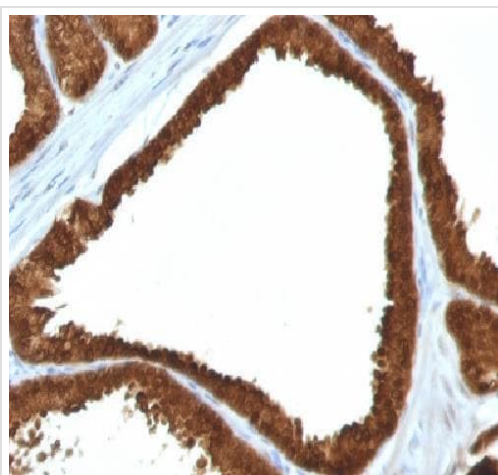
Post-translational modifications

Acetylation at Lys-374 dramatically reduces catalytic activity.

Cellular localization

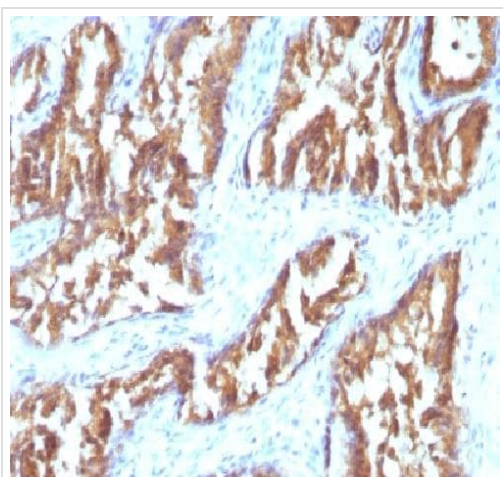
Cytoplasm. Peroxisome.

Images



Immunohistochemical analysis of paraffin embedded Human colon carcinoma tissue labeling IDH1 with ab212470 at 0.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IDH1 antibody
[IDH1/1152] - BSA and Azide free (ab212470)



Immunohistochemical analysis of paraffin embedded Human prostate carcinoma tissue labeling IDH1 with ab212470 at 0.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IDH1 antibody
[IDH1/1152] - BSA and Azide free (ab212470)

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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