Product Datasheet

Isocitrate Dehydrogenase 1/IDH1 Antibody (IHC132)
NBP2-75983-0.1ml

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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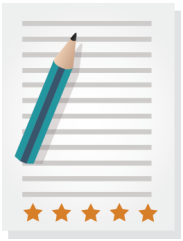
Updated 7/19/2023 v.20.1



NBP2-75983-0.1ml

Isocitrate Dehydrogenase 1/IDH1 Antibody (IHC132)

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Monoclonal
Clone	IHC132
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA
Target Molecular Weight	46 kDa

Product Description

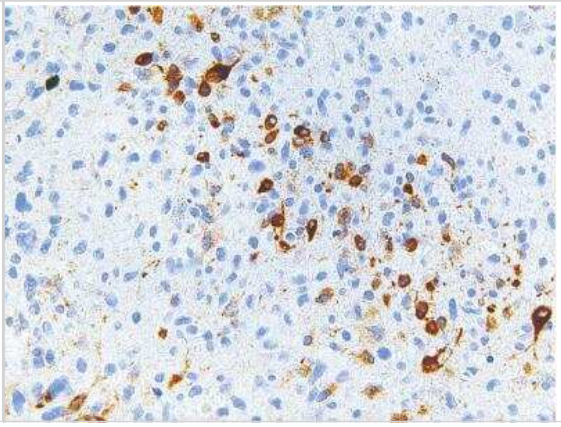
Host	Mouse
Gene ID	3417
Gene Symbol	IDH1
Species	Human
Immunogen	IDH1 Peptide

Product Application Details

Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:100 - 1:200, Immunohistochemistry-Paraffin 1:100 - 1:200
Application Notes	Visualization of the antigen present in tissue sections is accomplished in a multi-step immunohistochemical staining process, in conjunction with a horseradish peroxidase (HRP) or alkaline phosphatase (AP) linked detection system. Positive control: Astrocytoma. The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.

Images

Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody (IHC132) [NBP2-75983] - Isocitrate Dehydrogenase 1/IDH1 (IHC132) in astrocytoma.



Procedures

Immunohistochemistry protocol for Isocitrate Dehydrogenase 1/IDH1 Antibody (NBP2-75983)
Immunohistochemistry Protocol for Isocitrate Dehydrogenase 1/IDH1 Antibody (NBP2-75983):
https://www.novusbio.com/products/isocitrate-dehydrogenase-1-idh1-antibody-ihc132_nbp2-75983
Immunohistochemistry Protocol

Specimen Collection and Preparation for Analysis

Each tissue section should be fixed with 10% neutral buffered formalin, cut to the applicable thickness (4um), and placed on a glass slide that is positively charged. The prepared slide may then be baked for a minimum of 30 minutes in a 53-65 degrees C oven (do not exceed 24 hours).

Recommended Staining Protocols

Manual Use:
1. Pretreatment: Perform heat-induced epitope retrieval (HIER) at pH 9 for 10 to 30 minutes.
2. Peroxide Block: Block in peroxidase blocking solution for 5 minutes at room temperature. (Not required if using Alkaline Phosphatase System.)
3. Primary Antibody: Apply antibody directly (Predilute) or dilute antibody at 1:100-1:200 (Concentrate) before applying. Incubate antibody for 10 to 30 minutes at room temperature.
4. Secondary Antibody: Incubate for 20 to 30 minutes at room temperature.
5. Substrate Development: Incubate DAB or Fast Red for 5 to 10 minutes at room temperature.
6. Counterstain: Counterstain with hematoxylin for 0.5 to 5 minutes, depending on the hematoxylin used. Rinse with distilled water and blueing solution for 30 seconds.
7. Dehydrate and apply coverslip.

Automated Staining System:
The stated primary antibody has been optimized and validated using the BOND-MAX fully automated IHC & ISH stainer manufactured by Leica Biosystems, applying IHC Protocol F. The following edits are recommended for the protocol:
a) Marker Incubation Time: 30 minutes
b) Heat-induced epitope retrieval (HIER) is recommended using Leica Bond ER Solution 2 for 30 minutes.
c) Move Peroxide Block step to after Polymer and before Mixed DAB Refine. For all other automated IHC staining systems, refer to the corresponding user manual for specific instructions.

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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