

Product Datasheet

Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1/6806R) - Azide and BSA Free NBP3-14080

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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Updated 11/9/2023 v.20.1

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NBP3-14080

Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1/6806R) - Azide and BSA Free

| Product Information | |
|---------------------|---|
| Unit Size | 100 ug |
| Concentration | 1 mg/ml |
| Storage | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | IDH1/6806R |
| Preservative | No Preservative |
| Isotype | IgG Kappa |
| Purity | Protein A or G purified |
| Buffer | 1mM PBS |

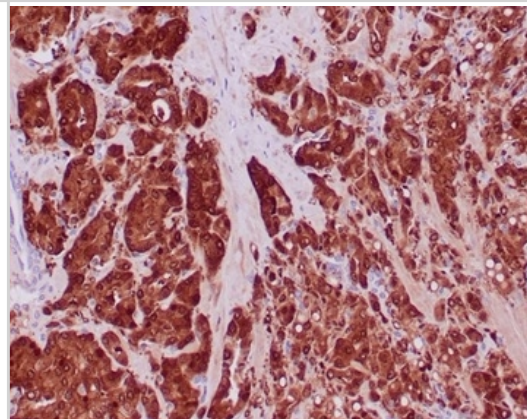
| Product Description | |
|-------------------------|--|
| Description | <p>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-13943).</p> <p>Antibody without azide - store at -20 to -80C. Antibody with azide - store at 2 to 8C. Non-hazardous.</p> <p>Theoretical molecular weight: 45-47kDa</p> |
| Host | Rabbit |
| Gene ID | 3417 |
| Gene Symbol | IDH1 |
| Species | Human |
| Specificity/Sensitivity | IDH1 R132H antibody binds to IDH1-mutated protein, but does not bind the wild-type IDH1 protein. IDH1 R132H point mutations are frequently seen in World Health Organization grade II and III gliomas and are believed to constitute an early step in tumorigenesis. IDH1 R132H can be used as a diagnostic marker to help differentiate infiltrating gliomas from gliosis, and as a prognostic marker for gliomas and secondary glioblastoma multiforme. IDH1 R132H antibody shows strong cytoplasmic staining and weaker nuclear staining in tumor cells with the R132H-mutated peptide. Diffuse staining of the fibrillary tumor matrix is also seen. |
| Immunogen | Recombinant fragment of human Isocitrate Dehydrogenase 1/IDH1 protein (around aa 281-414) (exact sequence is proprietary) (Uniprot: O75874) |

| Product Application Details | |
|-----------------------------|--|
| Applications | Immunohistochemistry-Paraffin |
| Recommended Dilutions | Immunohistochemistry-Paraffin 1-2 ug/ml |
| Application Notes | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes |

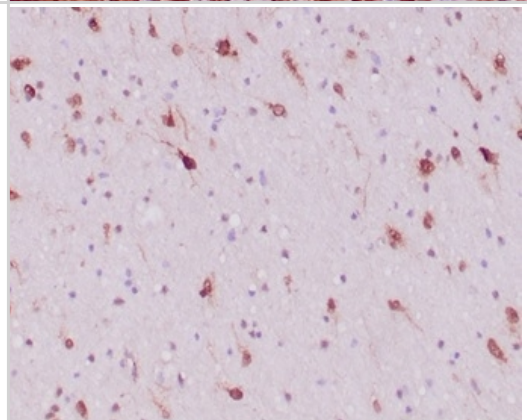


Images

FFPE prostate carcinoma with IDH1-R132H mutation stained with Isocitrate Dehydrogenase 1/IDH1 antibody (IDH1/6806R).



FFPE human glioblastoma with IDH1-R132H mutation stained with Isocitrate Dehydrogenase 1/IDH1 antibody (IDH1/6806R). HIER: Tris/EDTA, pH9.0, 45min. Secondary: HRP-polymer, 30min. DAB, 5min.





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Products Related to NBP3-14080

| | |
|---------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP1-87428PEP | Isocitrate Dehydrogenase 1/IDH1 Recombinant Protein Antigen |
| NBP2-34091PEP | Isocitrate Dehydrogenase 1/IDH1 Recombinant Protein Antigen |

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.

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