

# Product Datasheet

## Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1/6806R) NBP3-13943-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP3-13943-100ug**

Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1/6806R)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	IDH1/6806R
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Purity	Protein A or G purified
Buffer	1mM PBS with 0.05% BSA

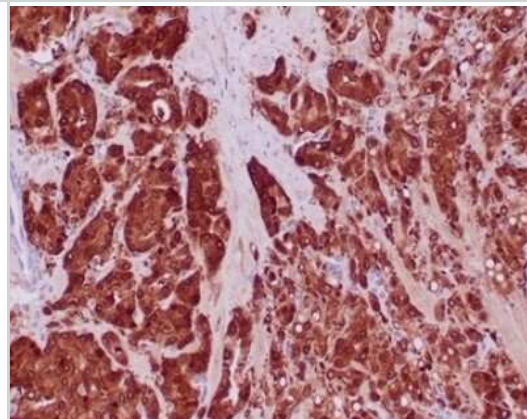
Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 1 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP3-14080)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. 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

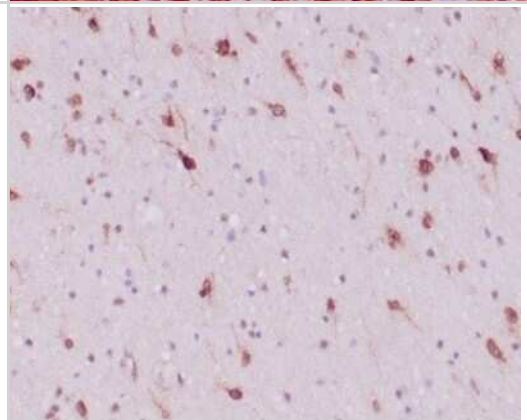


## Images

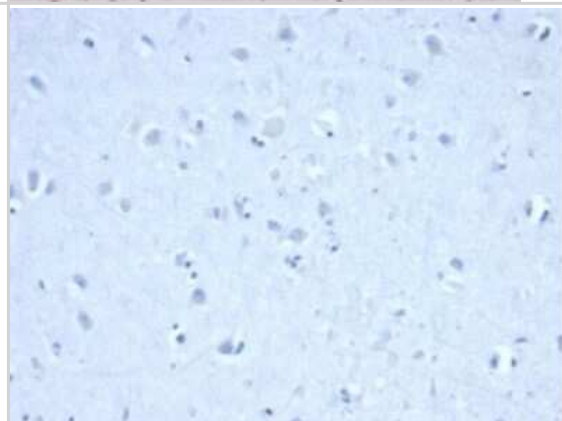
Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1/6806R) [NBP3-13943] - FFPE prostate carcinoma with IDH1-R132H mutation stained with Isocitrate Dehydrogenase 1/IDH1 antibody (IDH1/6806R).



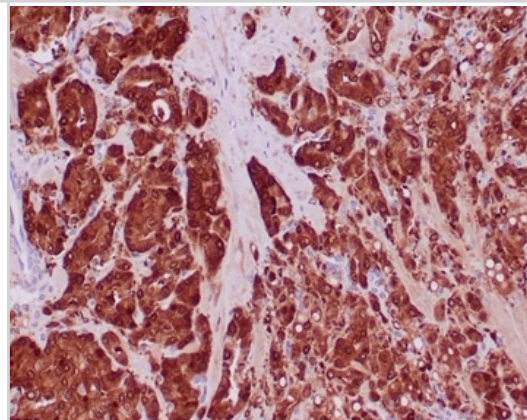
Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1/6806R) [NBP3-13943] - FFPE human glioblastoma with IDH1-R132H mutation stained with Isocitrate Dehydrogenase 1/IDH1 antibody (IDH1/6806R). HIER: Tris/EDTA, pH9.0, 45min. HRP-polymer, 30min. DAB, 5min.



Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1/6806R) [NBP3-13943] - IHC analysis of formalin-fixed, paraffin-embedded human cerebellum. Negative tissue control using Isocitrate Dehydrogenase 1/IDH1 antibody (IDH1/6806R) at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. HRP-polymer, 30min. DAB, 5min.



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





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### **Products Related to NBP3-13943-100ug**

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

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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.

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