

# Product Datasheet

## Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI2H9) - Azide and BSA Free NBP2-70988

Unit Size: 100 ug

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

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**NBP2-70988**

Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI2H9) - Azide and BSA Free

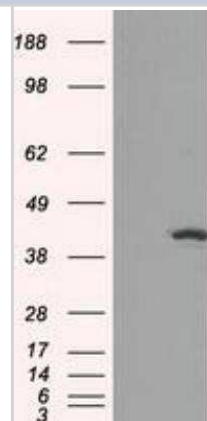
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI2H9
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with PBS (pH 7.3). To use this carrier-free antibody for conjugation experiments, another round of desalting is highly recommended.
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	46.7 kDa

Product Description	
Host	Mouse
Gene ID	3417
Gene Symbol	IDH1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full-length protein expressed in 293T cell transfected with human IDH1 expression vector

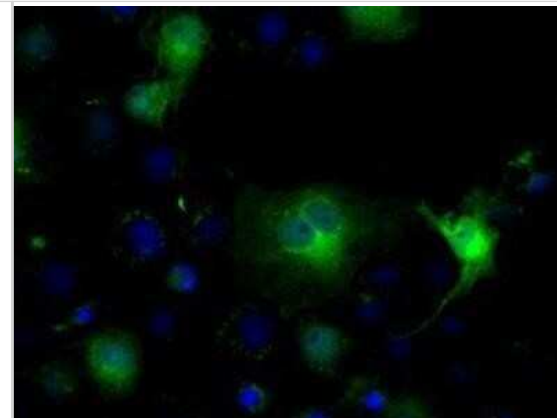
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:100, Knockout Validated

**Images**

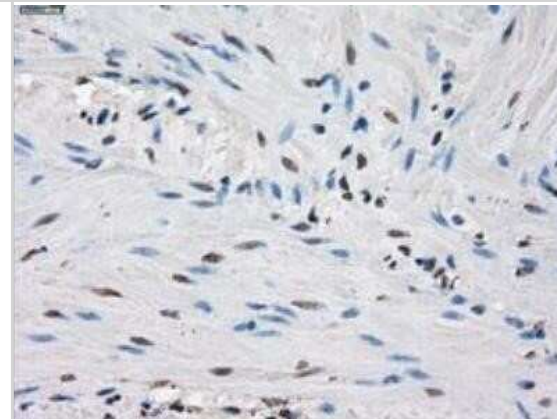
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI2H9) - Azide and BSA Free [NBP2-70988] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Isocitrate dehydrogenase(Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with ant



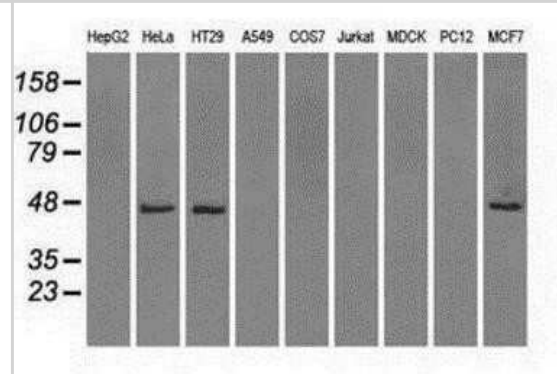
Immunocytochemistry/Immunofluorescence: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI2H9) - Azide and BSA Free [NBP2-70988] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY Isocitrate dehydrogenase.



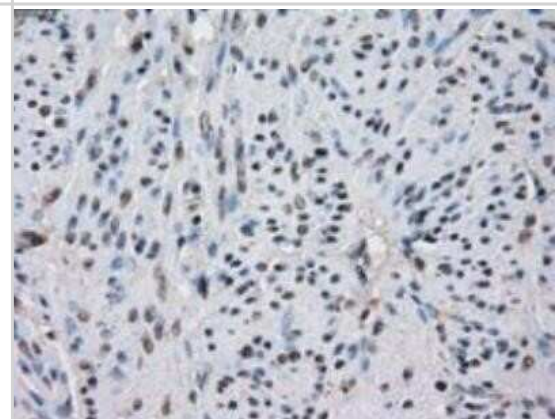
Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI2H9) - Azide and BSA Free [NBP2-70988] - Staining of paraffin-embedded endometrium tissue using anti-Isocitrate dehydrogenase mouse monoclonal antibody.



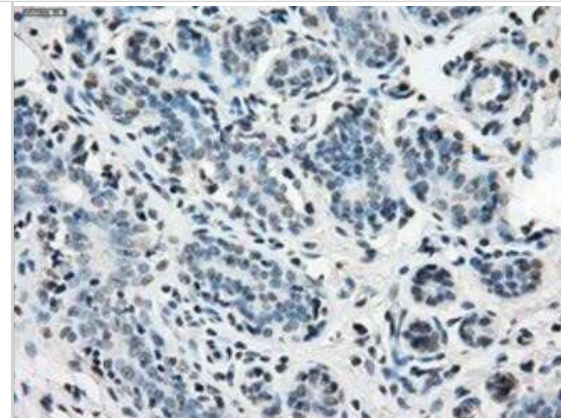
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI2H9) - Azide and BSA Free [NBP2-70988] - Analysis of extracts (35ug) from 9 different cell lines by using anti-Isocitrate dehydrogenase monoclonal antibody.



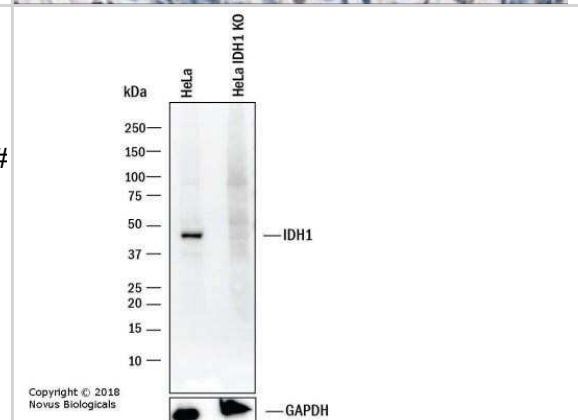
Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI2H9) - Azide and BSA Free [NBP2-70988] - Endometrium tissue.



**Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI2H9) - Azide and BSA Free [NBP2-70988] - Staining of paraffin-embedded breast tissue using anti-Isocitrate dehydrogenase mouse monoclonal antibody.**



**Knockout Validated: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI2H9) - Azide and BSA Free [NBP2-70988] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and IDH1 knockout (KO) HeLa cell line. PVDF membrane was probed with 1:2,000 of Mouse Anti-Human IDH1 monoclonal Antibody (Catalog # NBP1-47804) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog #HAF018). Specific band was detected for IDH1 at approximately 38 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions.**





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### **Products Related to NBP2-70988**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
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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