

# Product Datasheet

## Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI1D1) - Azide and BSA Free NBP2-70990

Unit Size: 100 ug

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

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**NBP2-70990**

Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI1D1) - Azide and BSA Free

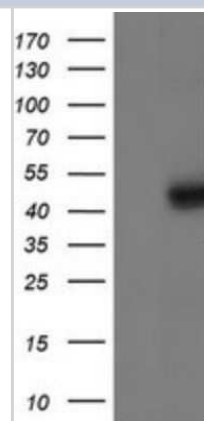
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1D1
Preservative	No Preservative
Reconstitution Instructions	we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	46.5 kDa

Product Description	
Host	Mouse
Gene ID	3417
Gene Symbol	IDH1
Species	Human, Mouse, Rat, Canine, Monkey
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	Synthetic peptide around the R132 region of the human IDH conjugated to KLH

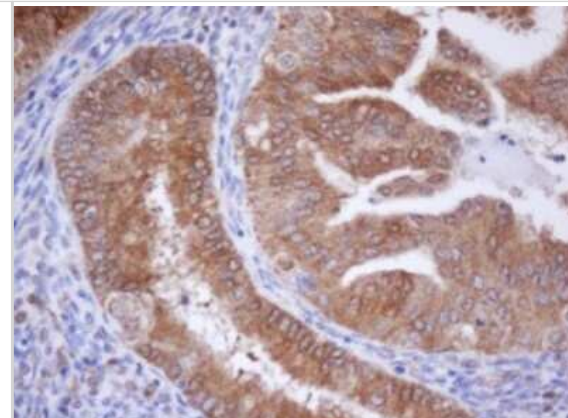
Product Application Details	
Applications	Western Blot, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry 1:150

**Images**

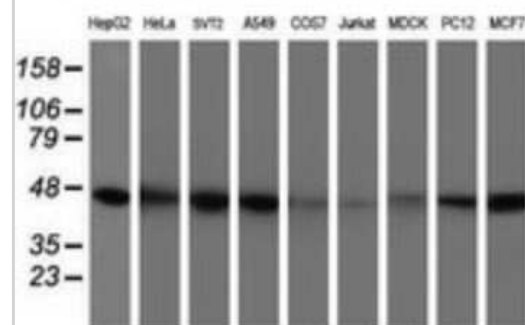
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI1D1) - Azide and BSA Free [NBP2-70990] - Analysis of HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IDH1.



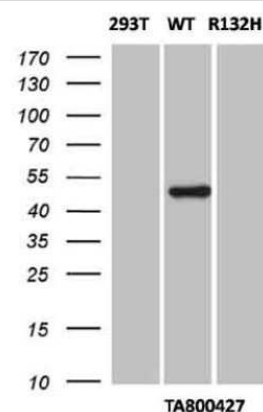
Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI1D1) - Azide and BSA Free [NBP2-70990] - Analysis of Human endometrium tissue.



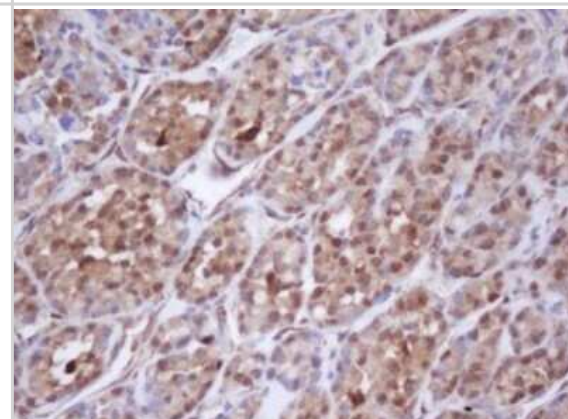
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI1D1) - Azide and BSA Free [NBP2-70990] - Analysis of extracts (35ug) from 9 different cell lines (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



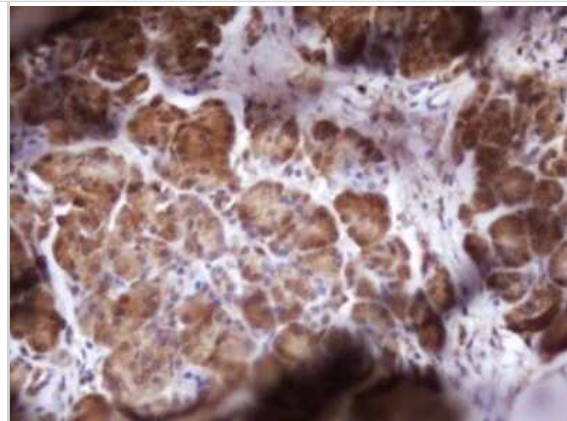
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI1D1) - Azide and BSA Free [NBP2-70990] - Analysis of HEK293T cells were either not transfected (left lane "293T") or transfected with pCMV6-ENTRY IDH1(wild type-SKU# RC210582, middle lane "WT") or pCMV6-ENTRY IDH1 mutated (R132H mutation-SKU# RC400096, right lane "R132H") cDNA for 48 hrs and lys



Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI1D1) - Azide and BSA Free [NBP2-70990] - Analysis of Carcinoma of Human thyroid tissue.



Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OT11D1) - Azide and BSA Free [NBP2-70990] - Analysis of Human pancreas tissue.





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### **Products Related to NBP2-70990**

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)
NBP1-87428PEP	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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