

# 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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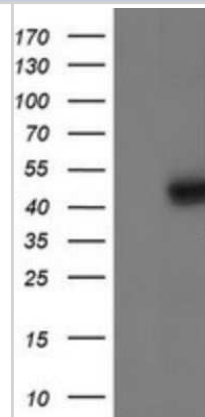


**NBP2-70990****Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI1D1) - Azide and BSA Free**

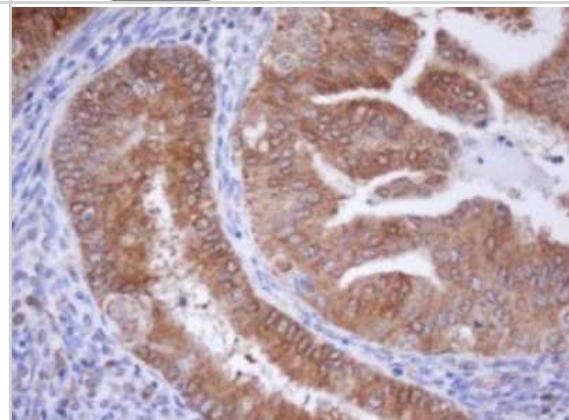
<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI1D1
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	we recommend adding 100uL distilled water 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.
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Lyophilized from PBS (pH 7.3) with 8% Trehalose
<b>Target Molecular Weight</b>	46.5 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI1D1) - Azide and BSA Free (NBP2-46019) is a monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3417
<b>Gene Symbol</b>	IDH1
<b>Species</b>	Human, Mouse, Rat, Canine, Monkey
<b>Reactivity Notes</b>	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.
<b>Immunogen</b>	Synthetic peptide around the R132 region of the human IDH conjugated to KLH
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin

## Images

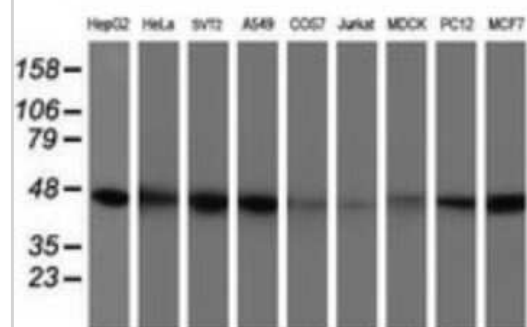
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OT11D1) - Azide and BSA Free [NBP2-70990] - Analysis of HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IDH1.



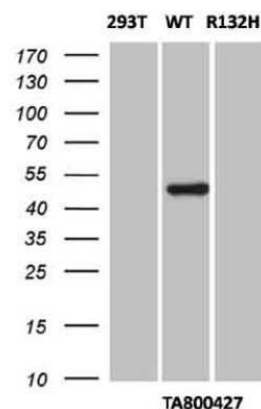
Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OT11D1) - Azide and BSA Free [NBP2-70990] - Analysis of Human endometrium tissue.



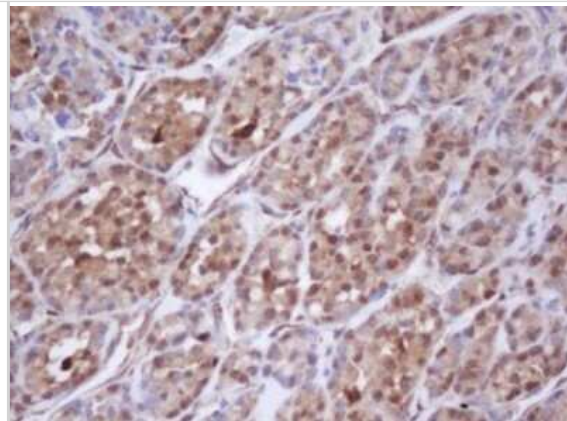
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OT11D1) - Azide and BSA Free [NBP2-70990] - Analysis of extracts (35ug) from 9 different cell lines (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



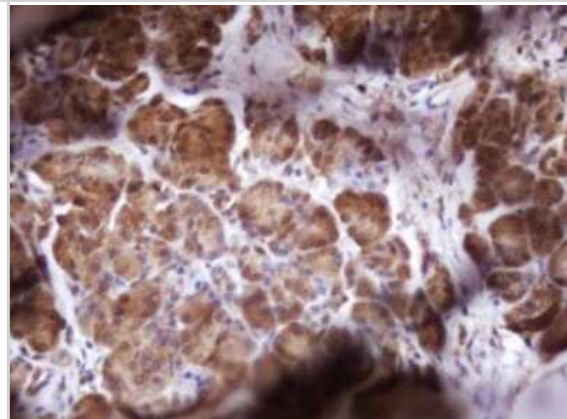
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OT11D1) - Azide and BSA Free [NBP2-70990] - Analysis of HEK293T cells were either not transfected (left lane "293T") or transfected with pCMV6-ENTRY IDH1(wild type-SKU# RC210582, middle lane "WT") or pCMV6-ENTRY IDH1 mutated (R132H mutation-SKU# RC400096, right lane "R132H") cDNA for 48 hrs and lys



Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OT11D1) - 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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### **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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