

Product Datasheet

Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) NBP2-46018

Unit Size: 0.1 ml

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

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NBP2-46018**Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9)**

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI3G9
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA, 50% Glycerol
Target Molecular Weight	46.5 kDa

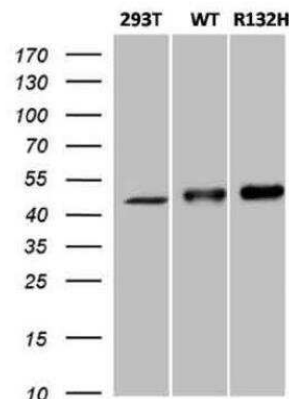
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Mouse Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) (NBP2-46018) is a monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3417
Gene Symbol	IDH1
Species	Human, Mouse, Rat, Canine
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 R132H mutation region of the human IDH conjugated to KLH

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockout Validated
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150, Knockout Validated

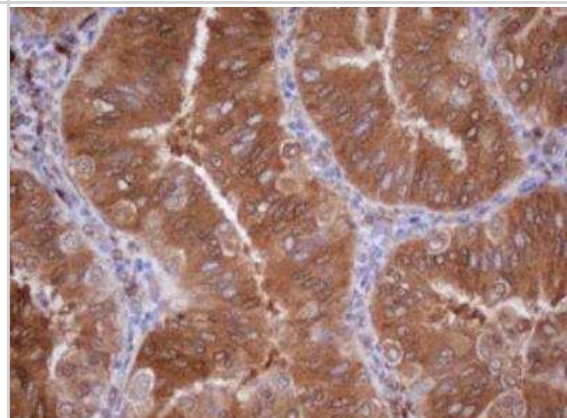


Images

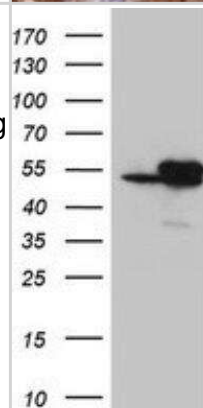
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) [NBP2-46018] - HEK293T cells were either not transfected (left lane "293T") or transfected with pCMV6-ENTRY IDH1 (wild type, middle lane "WT") or pCMV6-ENTRY IDH1 mutated (R132H mutation, right lane "R132H") cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (10 ug per lane) were separated by SDS-PAGE and immunoblotted with NBP2-46018 (1:500) and then goat anti-mouse IgG-HRP (1:2000).



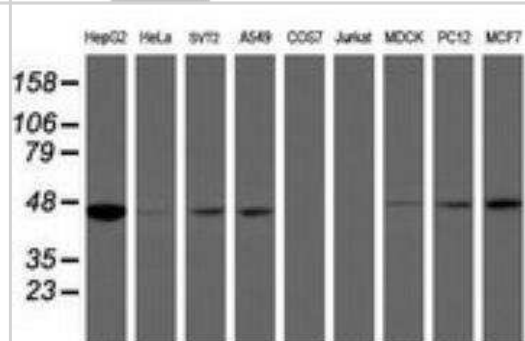
Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) [NBP2-46018] - Immunohistochemical staining of paraffin-embedded human endometrium tissue within the normal limits using anti-IDH1 mouse monoclonal antibody. Heat-induced epitope retrieval by 10 mM citric buffer, pH 6.0, 100C for 10 min.



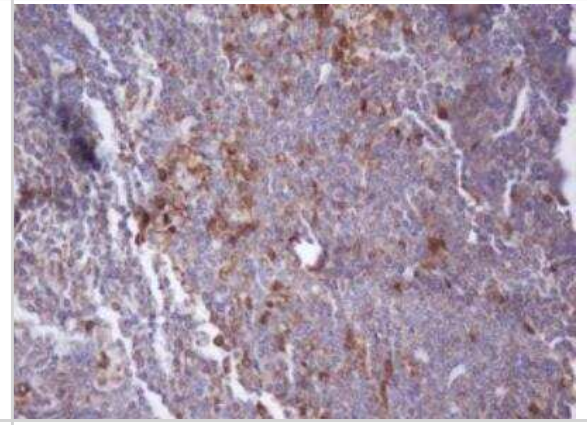
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) [NBP2-46018] - HEK293T cells were transfected with the pCMV6-ENTRY control (left lane) or pCMV6-ENTRY IDH1 (RC210582, right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IDH1.



Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) [NBP2-46018] - 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.



Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) [NBP2-46018] - Immunohistochemical staining of paraffin-embedded human lymphoma tissue using anti-IDH1 mouse monoclonal antibody. Heat-induced epitope retrieval by 10 mM citric buffer, pH 6.0, 100C for 10 min.



Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9)[NBP2-46018] Simple Western analysis of endogenous protein TIA1 from HELA lysates (0.1 mg/mL) using TIA1 Mouse Monoclonal Antibody . The virtual lane view (left) shows the target (as indicated) at 1:50 dilution of primary antibody. The corresponding electropherogram view (right) plots chemiluminescence by molecular weight along the capillary at a 1:50 dilution of primary antibody. This experiment was performed under reducing conditions on the Jess Simple Western instrument from ProteinSimple, a Bio-Techne brand, using the 12-230 kDa Separation Module.





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Products Related to NBP2-46018

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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