

Product Datasheet

Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) - Azide and BSA Free NBP2-43692

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-43692

Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) - Azide and BSA Free

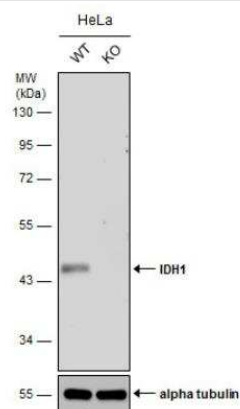
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1521
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	47 kDa

Product Description	
Description	Novus Biologicals Knockout (KO) Validated Mouse Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) - Azide and BSA Free (NBP2-43692) is a monoclonal antibody validated for use in WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3417
Gene Symbol	IDH1
Species	Human, Mouse, Rat
Reactivity Notes	Zebrafish (85%), Xenopus laevis (88%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Isocitrate Dehydrogenase 1/IDH1. The exact sequence is proprietary.

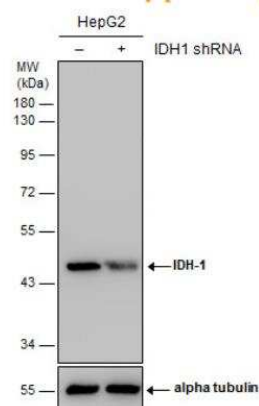
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated, Knockout Validated
Recommended Dilutions	Western Blot 1:500-1:10000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:1000, Knockout Validated, Knockdown Validated

Images

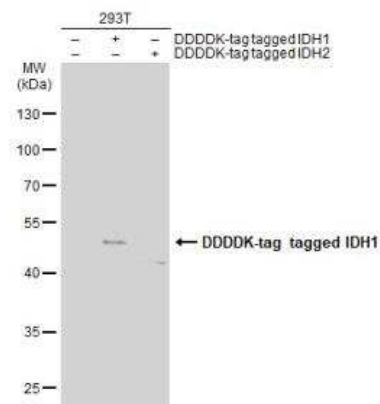
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) [NBP2-43692] - Wild-type (WT) and IDH1 knockout (KO) HeLa cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with IDH1 antibody [1521]. The HRP-conjugated anti-mouse IgG antibody (NBP2-19382) was used to detect the primary antibody.



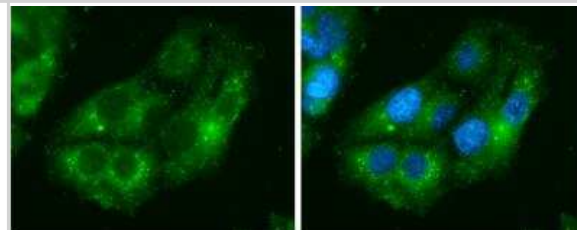
Knockdown Validated: Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) [NBP2-43692] - Non-transfected (-) and transfected (+) HepG2 whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with IDH1 antibody [1521].



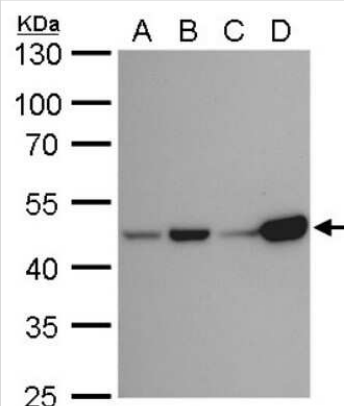
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) [NBP2-43692] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with IDH1 antibody [1521] diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (NBP2-19382) was used to detect the primary antibody.



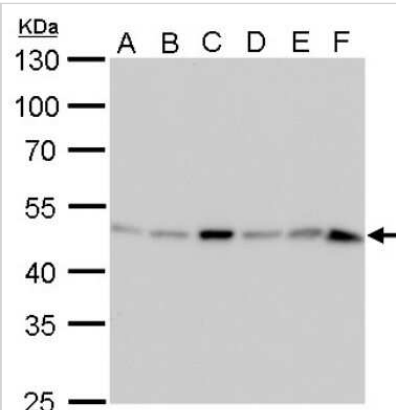
Immunocytochemistry/Immunofluorescence: Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) [NBP2-43692] - HepG2 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: IDH1 protein stained by IDH1 antibody [1521] diluted at 1:500. Blue: Hoechst 33342 staining.



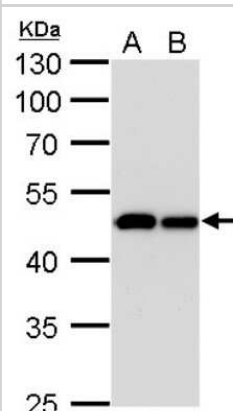
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) [NBP2-43692] - Analysis of A. 30 ug 293T whole cell lysate/extract B. 30 ug A431 whole cell lysate/extract C. 30 ug HeLa whole cell lysate/extract D. 30 ug HepG2 whole cell lysate/extract 10 % SDS-PAGE IDH1 antibody [1521] dilution: 1:1000



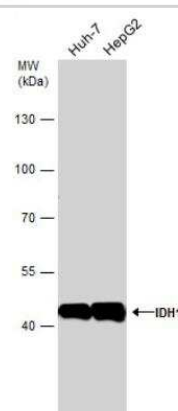
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) [NBP2-43692] - Analysis of A. 30 ug Neuro2A whole cell lysate/extract B. 30 ug GL261 whole cell lysate/extract C. 30 ug C8D30 whole cell lysate/extract D. 30 ug NIH-3T3 whole cell lysate/extract E. 30 ug Raw264.7 whole cell lysate/extract F. 30 ug C2C12 whole cell lysate/extract 10 % SDS-PAGE IDH1 antibody [1521] dilution: 1:1000



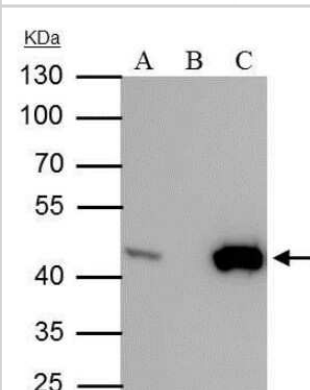
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) [NBP2-43692] - Analysis of A. 30 ug PC-12 whole cell lysate/extract B. 30 ug Rat-2 whole cell lysate/extract 10 % SDS-PAGE IDH1 antibody [1521] dilution: 1:1000



Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) [NBP2-43692] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membranes were blotted with IDH1 antibody [1521] diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (NBP2-19382) was used to detect the primary antibody.



Immunoprecipitation: Isocitrate Dehydrogenase 1/IDH1 Antibody (1521) [NBP2-43692] - Analysis of HepG2 whole cell lysate/extract A : 30 ug whole cell lysate/extract of IDH1 protein expressing HepG2 cells B : Control with 2.5 ug of pre-immune mouse IgG C : Immunoprecipitation of IDH-1 protein by 2.5 ug of IDH-1 antibody 10% SDS-PAGE The immunoprecipitated IDH-1 protein was detected by IDH-1 antibody diluted at 1 : 1000. EasyBlot anti-mouse IgG (HRP) was used as a secondary reagent.





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Products Related to NBP2-43692

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-52882PEP	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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