

Product Datasheet

Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) - Azide and BSA Free **NBP2-70989**

Unit Size: 100 ug

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

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-70989

Updated 9/9/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-70989



NBP2-70989

Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) - 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	OTI3G9
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

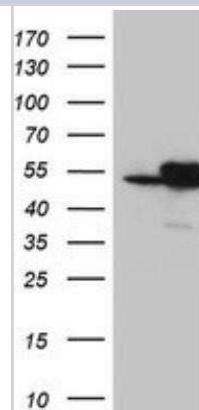
Description	Novus Biologicals Knockout (KO) Validated Mouse Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) - Azide and BSA Free (NBP2-46018) is a monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3417
Gene Symbol	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

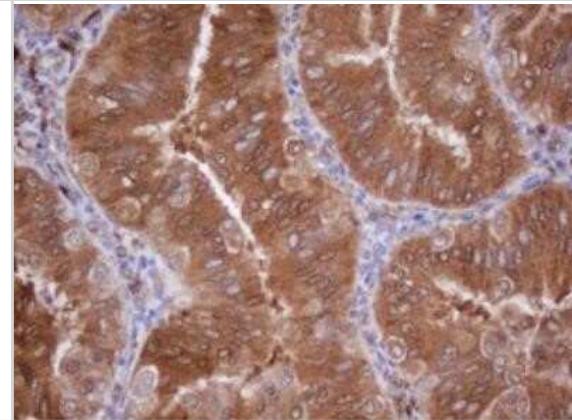
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockout Validated
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin, Knockout Validated

Images

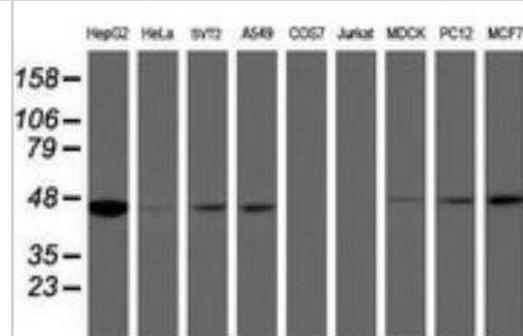
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) - Azide and BSA Free [NBP2-70989] - HEK293T cells were transfected with the pCMV6-ENTRY control (left lane) or pCMV6-ENTRY IDH1 (RC210582, right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IDH1.



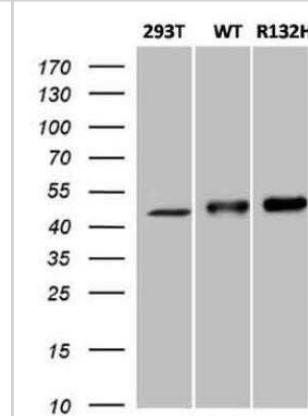
Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) - Azide and BSA Free [NBP2-70989] - Immunohistochemical staining of paraffin-embedded human endometrium tissue within the normal limits using anti-IDH1 mouse monoclonal antibody. Heat-induced epitope retrieval by 10 mM citric buffer, pH 6.0, 100C for 10 min.



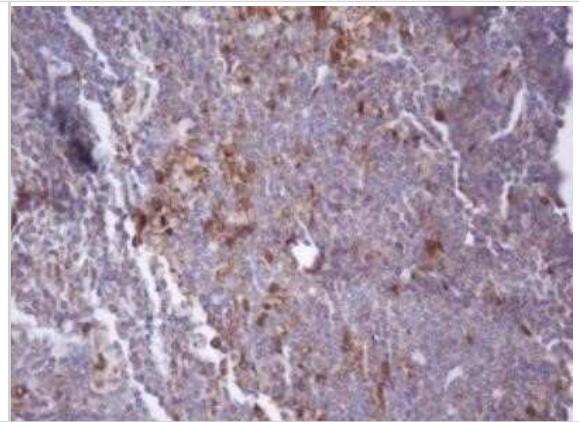
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) - Azide and BSA Free [NBP2-70989] - Analysis of extracts (35ug) from 9 different cell lines. HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human.



Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) - Azide and BSA Free [NBP2-70989] - 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



Immunohistochemistry: Isocitrate Dehydrogenase 1/IDH1 Antibody (OTI3G9) - Azide and BSA Free [NBP2-70989] - 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.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-70989

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-70989

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications