

Product Datasheet

Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1/6806R) [Alexa Fluor™ Plus 680] NBP3-14080AFP680

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP3-14080AFP680

Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1/6806R) [Alexa Fluor™ Plus 680]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	IDH1/6806R
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Conjugate	Alexa Fluor Plus 680
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rabbit
Gene ID	3417
Gene Symbol	IDH1
Species	Human
Specificity/Sensitivity	IDH1 R132H antibody binds to IDH1-mutated protein, but does not bind the wild-type IDH1 protein. IDH1 R132H point mutations are frequently seen in World Health Organization grade II and III gliomas and are believed to constitute an early step in tumorigenesis. IDH1 R132H can be used as a diagnostic marker to help differentiate infiltrating gliomas from gliosis, and as a prognostic marker for gliomas and secondary glioblastoma multiforme. IDH1 R132H antibody shows strong cytoplasmic staining and weaker nuclear staining in tumor cells with the R132H-mutated peptide. Diffuse staining of the fibrillary tumor matrix is also seen.
Immunogen	Recombinant fragment of human Isocitrate Dehydrogenase 1/IDH1 protein (around aa 281-414) (exact sequence is proprietary) (Uniprot: O75874)
Notes	This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@thermofisher.com . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details

Applications	Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin
Application Notes	Optimal dilution of this antibody should be experimentally determined.



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

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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