

Product Datasheet

IDH2 Antibody NBP1-85784

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-85784**IDH2 Antibody****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	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	51 kDa

Product Description

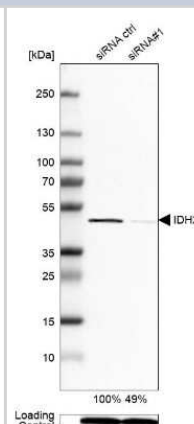
Host	Rabbit
Gene ID	3418
Gene Symbol	IDH2
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25643707).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: REPIICKNIPRLVPGWTKPITIGRHAHGDQYKATDFVADRAGTFKMVFTPKDGS GVKEWEVYNFPAGGVGMGMNTDESISGFAHSCFQYAIQKKWPLYMSTKNTI LKAYDGRFKDIFQEIFDKHYKTDFD

Product Application Details

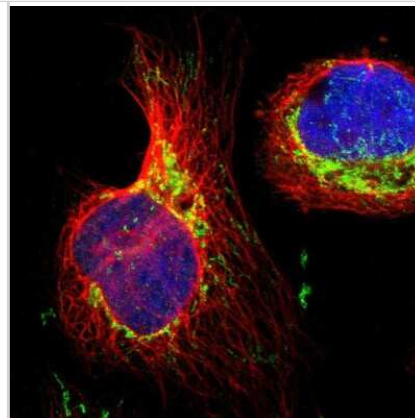
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	IHC reported in scientific literature (PMID: 25643707). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

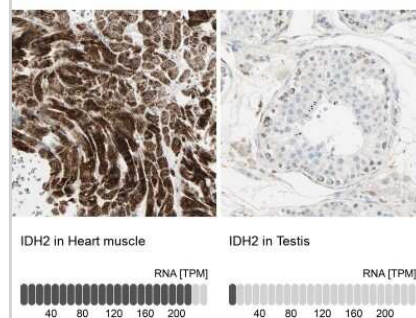
Western Blot: IDH2 Antibody [NBP1-85784] - Analysis in SK-BR-3 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-IDH2 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



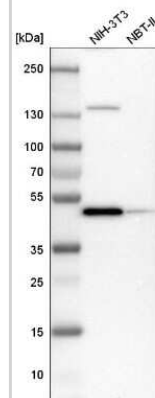
Immunocytochemistry/Immunofluorescence: IDH2 Antibody [NBP1-85784] - Staining of human cell line U-2 OS shows localization to mitochondria. Antibody staining is shown in green.



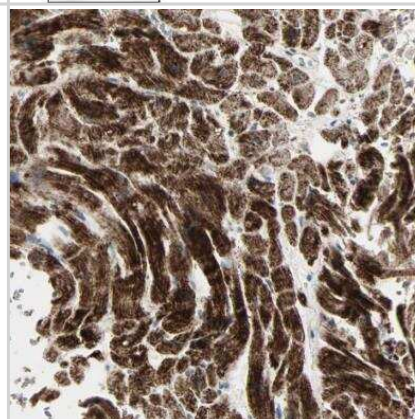
Immunohistochemistry-Paraffin: IDH2 Antibody [NBP1-85784] - Staining in human heart muscle and testis tissues using NBP1-85784 antibody. Corresponding IDH2 RNA-seq data are presented for the same tissues.



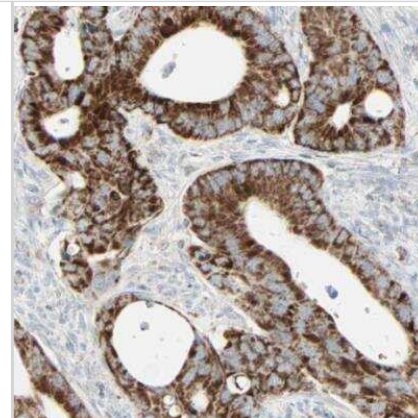
Western Blot: IDH2 Antibody [NBP1-85784] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



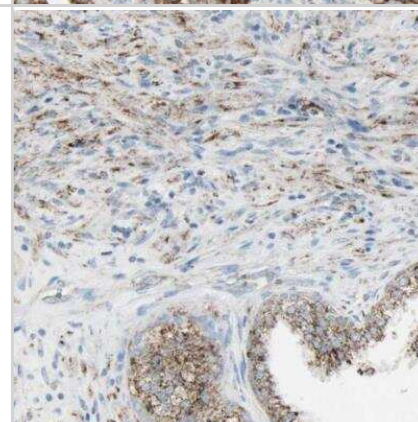
Immunohistochemistry-Paraffin: IDH2 Antibody [NBP1-85784] - Staining of human heart muscle shows high expression.



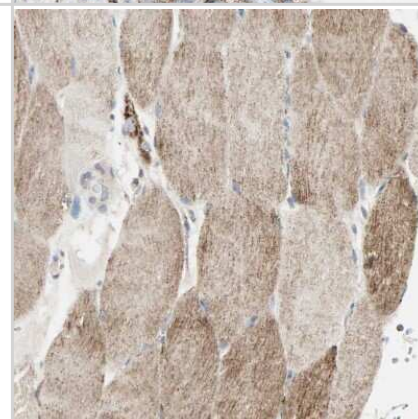
Immunohistochemistry-Paraffin: IDH2 Antibody [NBP1-85784] - Staining of human colorectal cancer shows strong granular cytoplasmic positivity in tumor cells.



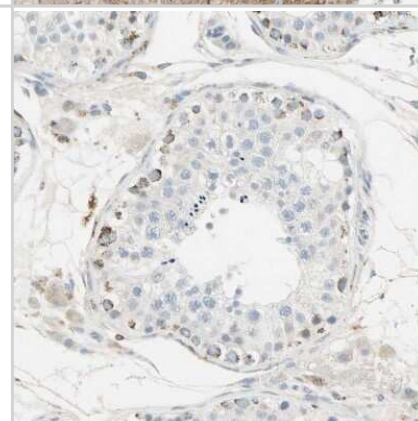
Immunohistochemistry-Paraffin: IDH2 Antibody [NBP1-85784] - Staining of human prostate shows moderate to granular cytoplasmic positivity in smooth muscle cells.



Immunohistochemistry-Paraffin: IDH2 Antibody [NBP1-85784] - Staining of human skeletal muscle shows moderate granular cytoplasmic positivity in myocytes.



Immunohistochemistry-Paraffin: IDH2 Antibody [NBP1-85784] - Staining of human testis shows weak to moderate granular cytoplasmic positivity in a small subset of cells in seminiferous ducts.



Publications

Murgia M, Nagaraj N, Deshmukh AS et al. Single muscle fiber proteomics reveals unexpected mitochondrial specialization. EMBO Rep 2015-03-01 [PMID: 25643707] (IF/IHC, Mouse)



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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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