

Product Datasheet

IDH2 Antibody (5F11) - Azide and BSA Free H00003418-M01

Unit Size: 0.1 mg

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

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H00003418-M01

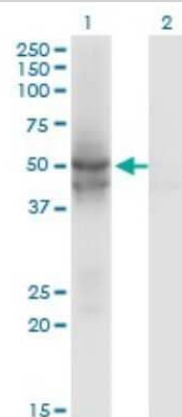
IDH2 Antibody (5F11) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
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	5F11
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	3418
Gene Symbol	IDH2
Species	Human, Rat
Specificity/Sensitivity	IDH2 - isocitrate dehydrogenase 2 (NADP+), mitochondrial
Immunogen	IDH2 (NP_002159, 354 a.a. ~ 451 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. HYREHQKGRPTSTNPIASIFAWTRGLEHRGKLDGNQDLIRFAQMLEKVCVETV ESGAMTKDLAGCIHGLSNVKLNEHFLNTTDFLDTIKSNLDRALGR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin

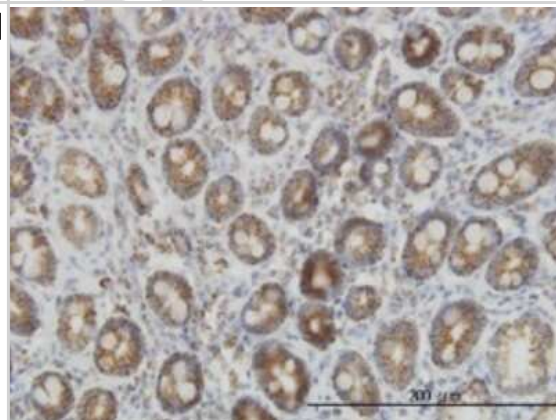


Images

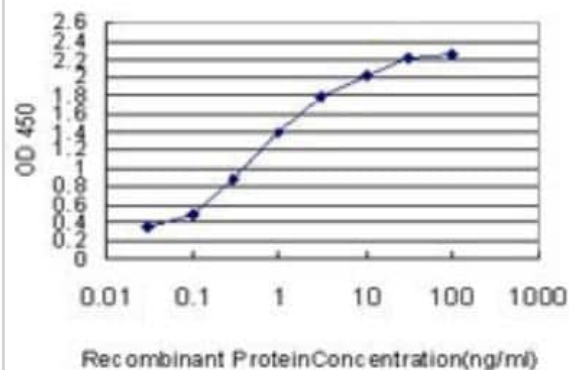
Western Blot: IDH2 Antibody (5F11) [H00003418-M01] - Analysis of IDH2 expression in transfected 293T cell line by IDH2 monoclonal antibody (M01), clone 5F11. Lane 1: IDH2 transfected lysate(50.9 KDa). Lane 2: Non-transfected lysate.



Immunohistochemistry-Paraffin: IDH2 Antibody (5F11) [H00003418-M01] - Analysis of monoclonal antibody to IDH2 on formalin-fixed paraffin-embedded human colon. Antibody concentration 3 ug/ml.



ELISA: IDH2 Antibody (5F11) [H00003418-M01] - Detection limit for recombinant GST tagged IDH2 is approximately 0.03ng/ml as a capture antibody.



Publications

Katarina S, Jitka S, Klara G et al. SIRT3 and GCN5L Regulation of NADP+- And NADPH-driven Reactions of Mitochondrial Isocitrate Dehydrogenase IDH2. Sci Rep. 2020-05-26 [PMID: 32457458]

Jitka S, Klara G, Ale? D et al. Biochemical Background in Mitochondria Affects 2HG Production by IDH2 and ADHFE1 in Breast Carcinoma. Cancers (Basel). 2021-04-04 [PMID: 33916579]

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01

Ferreira JCB, Campos JC, Qvit N et al. A selective inhibitor of mitofusin 1- β IIPKC association improves heart failure outcome in rats. Nat Commun. 2019-04-09 [PMID: 30659190]

Gambichler T, Terras S, Kreuter A, Skrygan M. Altered global methylation and hydroxymethylation status in vulvar lichen sclerosus - further support for epigenetic mechanisms. Br J Dermatol. 2013-10-27 [PMID: 24164308]

Gambichler T, Mamali K, Patsinakidis N et al. Decreased expression of ten-eleven translocation 2 protein is associated with progressive disease and death in patients with mucosis fungoides. Br J Dermatol. 2015-09-19 [PMID: 26384468]

Rettberg JR, Hamilton RT, Mao Z et al. The effect of dietary soy isoflavones before and after ovariectomy on hippocampal protein markers of mitochondrial bioenergetics and antioxidant activity in female monkeys. Brain Res. [PMID: 21238431]





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Products Related to H00003418-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-22166PEP	IDH2 Antibody Blocking Peptide

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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