

IDH2 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3248
Host	Mouse
Isotype	Mouse IgG1
Size	100 μ L, 50 μ L
Immunogen	Purified recombinant fragment of human IDH2 (AA: 1-143) expressed in E. Coli.
Mol wt	50.9kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	IDH;IDP;IDHM;IDPM;ICD-M;D2HGA2;mNADP-IDH

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Recommended Dilution

WB: 1:500 - 1:2000

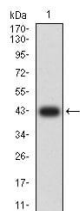
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

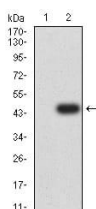
ELISA: 1:10000

Not yet tested in other applications.

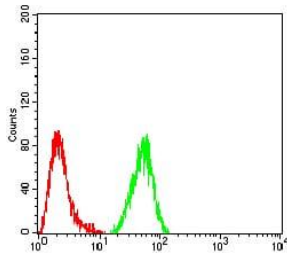
Images



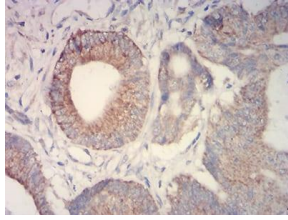
Western blot analysis using IDH2 mAb against human IDH2 (AA: 1-143) recombinant protein.
(Expected MW is 42.2 kDa)



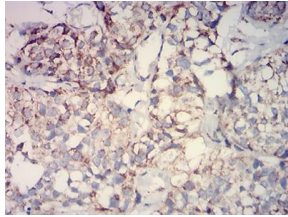
Western blot analysis using IDH2 mAb against HEK293 (1) and IDH2 (AA: 1-143)-hlgGfc transfected HEK293 (2) cell lysate.



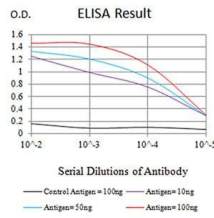
Flow cytometric analysis of HeLa cells using IDH2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded colon cancer tissues using IDH2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using IDH2 mouse mAb with DAB staining.



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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