Datasheet for ABIN7193379

anti-IDH2 antibody (AA 1-143)

6 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	IDH2
Binding Specificity:	AA 1-143
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IDH2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human IDH2 (AA: 1-143) expressed in E. coli.
Clone:	3E8E9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	IDH2
Alternative Name:	IDH2 (IDH2 Products)
Background:	Description: Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-

Target Details

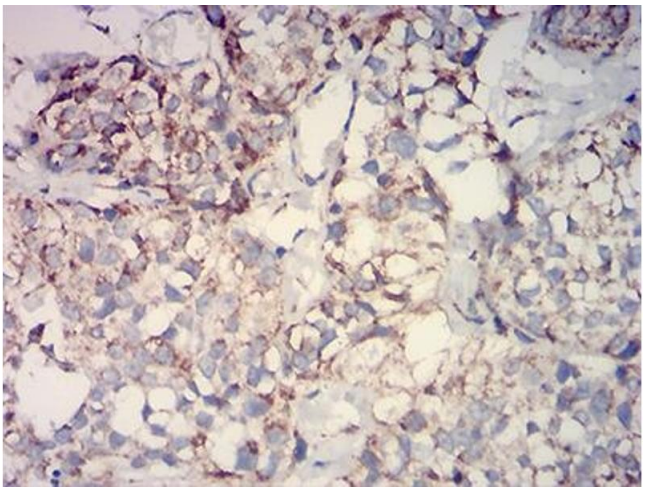
	oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent 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] Aliases: IDH, IDP, IDHM, IDPM, ICD-M, D2HGA2, mNADP-IDH
Molecular Weight:	50.9 kDa
Gene ID:	3418
Pathways:	Warburg Effect

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

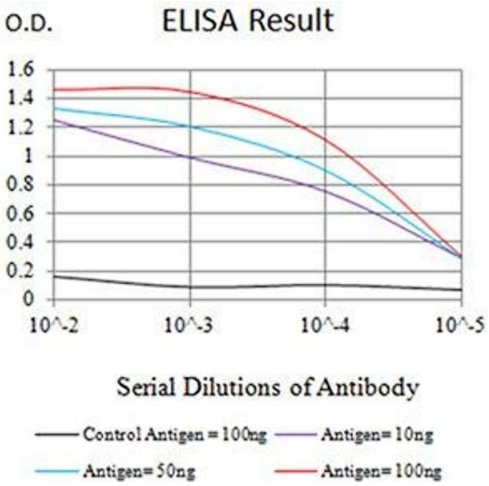
Handling

Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



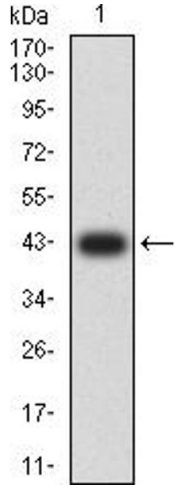
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using IDH2 mouse mAb with DAB staining.



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using IDH2 mAb against human IDH2 (AA: 1-143) recombinant protein. (Expected MW is 42.2 kDa)

Please check the product details page for more images. Overall 6 images are available for ABIN7193379.