antibodies - online.com







anti-SOD2 antibody (AA 1-222)





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	IV/E	۱//۱۲	$I \cap V$

Quantity:	0.1 mg
Target:	SOD2
Binding Specificity:	AA 1-222
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SOD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human SOD2 (AA: 1-222) expressed in E. coli.	
Clone:	8H3D2	
Isotype:	lgG1	
Purification:	purified	

Target Details

Target:	SOD2
Alternative Name:	SOD2 (SOD2 Products)
Background: Description: This gene is a member of the iron/manganese superoxide dismutase family. It	

encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 1.,

Aliases: IPOB, IPO-B, MNSOD, MVCD6, Mn-SOD

Molecular Weight: 24.7 kDa

Gene ID: 6648

HGNC: 6046

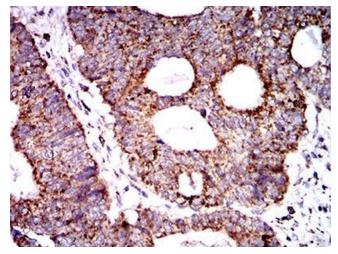
Pathways: Sensory Perception of Sound, Transition Metal Ion Homeostasis, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:50 - 1:250, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

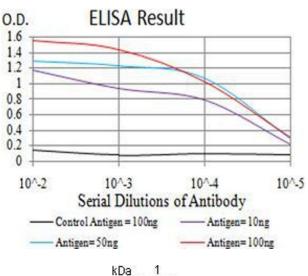
Handling

Format:	Liquid
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 paraffinembedded rectum cancer tissues using SOD2 mouse mAb with DAB staining.



170-130-

95-

72-55-

43-

34-26-

17-

11-

ELISA

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

Western Blotting

Image 3. Western blot analysis using SOD2 mAb against human SOD2 (AA: 1-222) recombinant protein. (Expected MW is 50.7 kDa)

Please check the product details page for more images. Overall 7 images are available for ABIN5542467.