BT LAB
Bioassay Technology Laboratory

Optimize Your Research

SOD2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14365
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from the Internal region of human SOD-2.
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF
Concentration	
Full name	Superoxide dismutase [Mn], mitochondrial
Synonyms	Superoxide dismutase [Mn], mitochondrial; SOD2; Superoxide dismutase [Mn; , mitochondrial

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

Background

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.

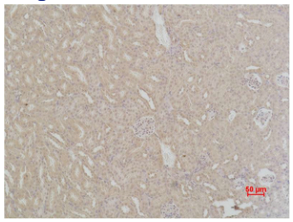
Recommended Dilution

WB: 1: 500 - 1: 2000

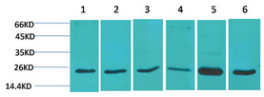
IHC-p: 1: 50 - 1: 300

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded Mouse Kidney Tissue using SOD2 Polyclonal Antibody.



Western blot analysis of 1) 293T, 2) Hela, 3) C2C12, 4) 3T3, 5) Rat Liver Tissue, 6) Rat Brain Tissue using SOD2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year

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