

For Research Use Only

SOD2 Recombinant antibody

Catalog Number: 83519-3-RR



Basic Information

Catalog Number: 83519-3-RR	GenBank Accession Number: BC016934	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 6648	CloneNo.: 240462D8
Source: Rabbit	UNIPROT ID: P04179	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: superoxide dismutase 2, mitochondrial	
Immunogen Catalog Number: AG21388	Calculated MW: 25 kDa	
	Observed MW: 25 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:

WB : HepG2 cells, HeLa cells, SH-SY5Y cells, MCF-7 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

Background Information

SOD2 (superoxide dismutase 2, mitochondrial) is also named as IPOB, MNSOD, SODM, Mn-SOD and belongs to the iron/manganese superoxide dismutase family. It is a marker of mitochondria, which is restricted to the perinuclear area in a cell with aggregate formation of mutant SOD1 (PMID:12659845). It functions as the first line of antioxidant defense against highly reactive superoxide radicals and it appears to be early predictors for survival in septic patients with MIF (PMID:20863520). It has 2 isoforms with the molecular weight of 25 kDa and 21 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

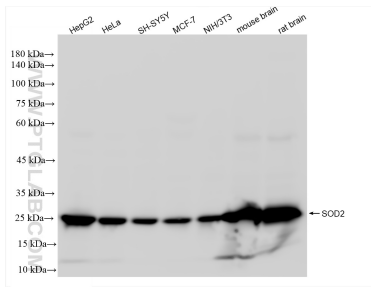
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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 83519-3-RR (SOD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.