

For Research Use Only

MnSOD Polyclonal antibody

Catalog Number: 22267-1-AP **2 Publications**



Basic Information

Catalog Number: 22267-1-AP	GenBank Accession Number: NM_000636	Purification Method: Antigen affinity purification
Size: N/A	GeneID (NCBI): 6648	
Source: Rabbit	UNIPROT ID: P04179	
Isotype: IgG	Full Name: superoxide dismutase 2, mitochondrial	
	Calculated MW: 25 kDa	

Applications

Tested Applications:
ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human, rat

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. This antibody is specific to SOD2.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiang-Tian Xiao	35896932	Curr Med Sci	WB
Lin Cong	38041171	Biol Res	WB

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

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Selected Validation Data