For Research Use Only

MnSOD Polyclonal antibody

Catalog Number:22267-1-AP 2 Publications

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Basic Information

Catalog Number:
22267-1-AP

Size:
150ul

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000636

GeneID (NCBI):
6648

Full Name:
superoxide dismutase 2, mitochondrial

Calculated MW:
25 kDa

Purification Method:
Antigen affinity purification

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 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

*** 20ul sizes contain 0.1% BSA

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