

anti- SOD2 antibody

Product Information

Catalog No.:	FNab08104
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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 withMIF(PMID:20863520). It has 2 isoforms with the molecular weight of 25 kDa and 21 kDa.

Immunogen information

Immunogen:	superoxide dismutase 2, mitochondrial
Synonyms:	Superoxide dismutase [Mn], mitochondrial(EC:1.15.1.1),SOD2
Observed MW:	25 kDa
UniprotID :	P04179

Application

Reactivity:	Human, Mouse, Rat
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Wuhan Fine Biotech Co., Ltd.

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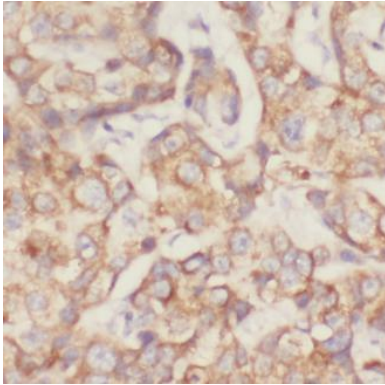
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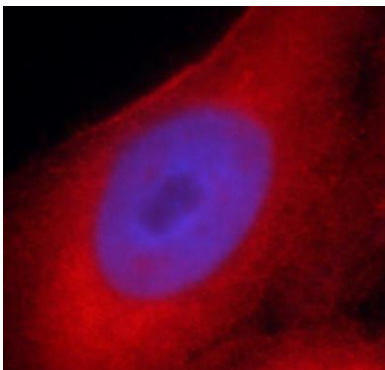
Tested Application: ELISA, WB, IF, IHC, IP

Recommended dilution: WB: 1:500-1:5000; IP: 1:500-1:5000; IHC: 1:100-1:400; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using FNab08104(SOD2 Antibody) at dilution of 1:200 heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



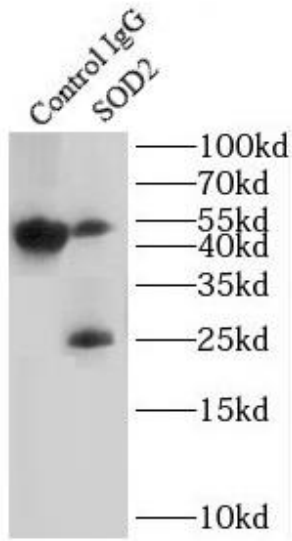
Immunofluorescent analysis of HeLa cells using FNab08104 (SOD2 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG

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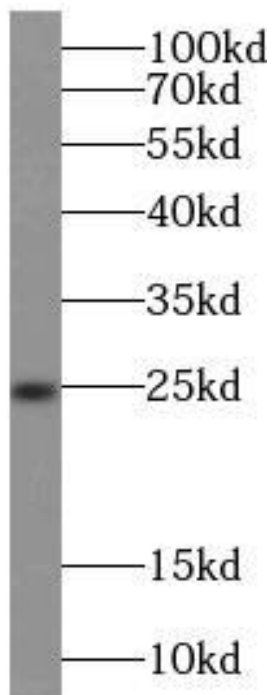
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IP Result of anti-SOD2 (IP:FNab08104, 4ug;
Detection:FNab08104 1:1000) with mouse brain
tissue lysate 4000ug.



HeLa cells were subjected to SDS PAGE followed
by western blot with FNab08104(SOD2 antibody)
at dilution of 1:1000