For Research Use Only

CoraLite®594-conjugated SOD2 Recombinant antibody

Catalog Number:CL594-83519-3

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL594-83519-3

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG21388

GenBank Accession Number:
BC016934

GeneID (NCBI):
6648

UNIPROT ID:
P04179

Full Name:
superoxide dismutase 2, mitochondrial

Calculated MW:
25 kDa

Observed MW:
25 kDa

Purification Method:
Protein A purification

CloneNo.:
240462D8

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : HUVEC cells,

Background Information

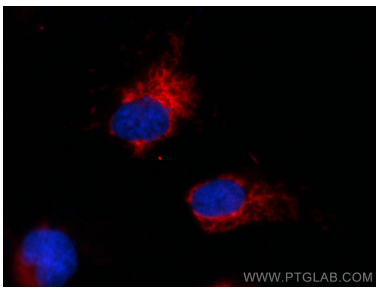
SOD2(superoxide dismutase 2, mitochondrial) is also named as IPOB, MNSOD, SODM, Mn-SOD and belongs to the iron/manganese superoxide dismutase family. It is a marker of mitochondria, which is restricted to the perinuclear area in a cell with aggregate formation of mutant SOD1(PMID:12659845). It functions 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.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HUVEC cells using CoraLite®594 SOD2 antibody (CL594-83519-3, Clone: 240462D8) at dilution of 1:200.