

Superoxide Dismutase 1 Rabbit pAb

db23128

Package : 20µL 50µL 100µL

Product Name : Superoxide Dismutase 1 Rabbit pAb**Cat.No.:** db23128**Synonyms** : ALS; SOD; ALS1; IPOA; STAHP; hSod1; HEL-S-44; homodimer**Application** : WB, IHC, ICC/IF, FC**Reactivity** : Human**Host species** : Rabbit**Background**

The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis. Rare transcript variants have been reported for this gene. [provided by RefSeq, Jul 2008]

Immunogen

Recombinant protein of human Superoxide Dismutase 1

Gene ID

6647

Swiss Prot

P00441

Synonyms

ALS; SOD; ALS1; IPOA; STAHP; hSod1; HEL-S-44; homodimer

Reactivity

Human

Application

WB, IHC, ICC/IF, FC

Recommended dilution

WB: 1:1000

IHC: 1:500

ICC/IF: 1:20

FC: 1:50

Calculated MW

16 kDa

Observed MW

16 kDa

Host species

Rabbit

Clonality

Polyclonal

Isotype

IgG

Purity

Affinity Purification

Conjugation

Un-conjugated

Storage Stability

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.