

## Superoxide Dismutase 1 Rabbit pAb

db20917

Package : 20µL 50µL 100µL

**Product Name** : Superoxide Dismutase 1 Rabbit pAb**Cat.No.:** db20917**Synonyms** : ALS; SOD; ALS1; IPOA; STAHP; hSod1; HEL-S-44; homodimer**Application** : WB, IHC, ICC/IF, FC**Reactivity** : Human, Rat**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**

A synthetic peptide of human Superoxide Dismutase 1

**Gene ID**

6647

**Swiss Prot**

P00441

**Synonyms**

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

**Reactivity**

Human, Rat

**Application**

WB, IHC, ICC/IF, FC

**Recommended dilution**

WB: 1:5000

IHC: 1:20

ICC/IF: 1:50

FC: 1:20

**Calculated MW**

16 kDa

**Observed MW**

16 kDa

**Host species**

Rabbit

**Clonality**

Polyclonal

**Isotype**

IgG

**Purity**

Affinity Purification

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**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.