

## Superoxide Dismutase 1 Recombinant Rabbit mAb

Catalog: BS45184

Host: Rabbit

Reactivity: Human, Rat

### 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]

### Product:

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.

### Molecular Weight:

18 kDa

### Swiss-Prot:

P00441

### Purification&Purity:

Affinity Purification

### Applications:

WB: 1:5000 IHC: 1:20 ICC/IF: 1:20 FC: 1:20

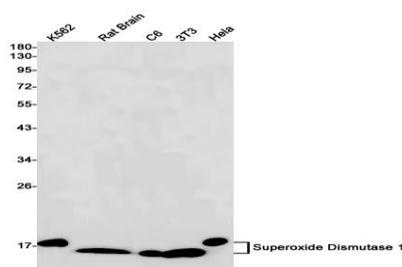
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG

### DATA:



Western blot detection of Superoxide Dismutase 1 in K562, Rat Brain, C6, 3T3, HeLa cell lysates using Superoxide Dismutase 1 antibody (1:1000 diluted).

### Note:

For research use only, not for use in diagnostic procedure.

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