

SUPEROXIDE DISMUTASE 1 RABBIT PAB

Cat.#: N225537

Product Name: Anti-Superoxide Dismutase 1 Rabbit pAb

Synonyms: SOD1; Superoxide dismutase [Cu-Zn]; Superoxide dismutase 1; hSod1

UNIPROT ID: P00441

Background: SOD1, Cu/Zn superoxide dismutase, is a major antioxidant enzyme that catalyzes the conversion of superoxide anion to hydrogen peroxide and molecular oxygen. The mechanism by which mutant SOD1 induces the neurodegeneration observed in ALS is still unclear. Mutant SOD1 proteins become misfolded and consequently oligomerize into high molecular weight species that aggregate and end up in proteinaceous inclusions.

Immunogen: Synthesized peptide derived from the Internal region of human SOD-1.

Applications: WB,IHC-P

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Clone ID: -

MW: Calculated MW: 16 kDa; Observed MW: 16 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat

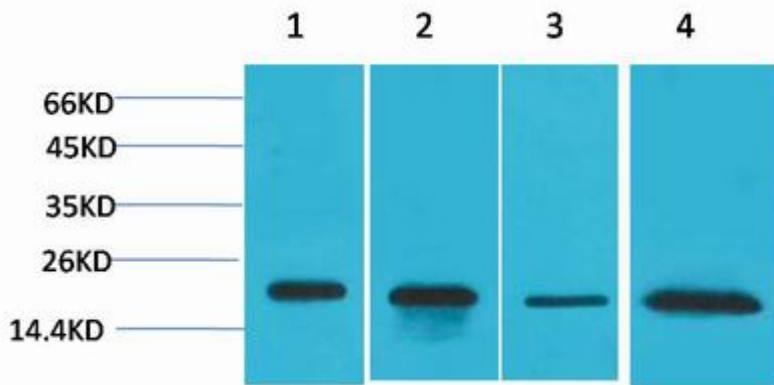
Conjugation: Unconjugated

Modification: Unmodified

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of Superoxide Dismutase 1 in HeLa, MCF-7, mouse Brain, rat Brain lysates using SOD1 antibody.