

## 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

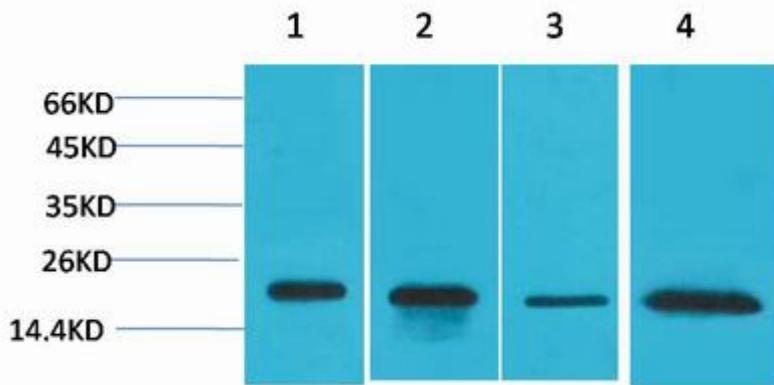
**Conjugation:** Unconjugated

**Modification:** Unmodified

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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.