

A Reliable Research Partner in Life Science and Medicine

SOD2 Polyclonal Antibody

catalog number: D-AB-10436L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human SOD2 protein expressed by E.coli

Host Rabbit Isotype IgG

Purification Antigen Affinity Purification

Buffer PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution

WB 1:500-1:1000 IHC 1:400-1:800

Data





Western blot with SOD2 Polyclonal antibody at dilution of 1:1000.lane 1:SH-SY5Y whole cell lysate,lane 2:Hela whole cell lysate

Observed-MW:25 kDa Calculated-MW:25 kDa

Western blot with SOD2 Polyclonal antibody at dilution of 1:1000.lane 1:Mouse brain,lane 2:Mouse heart,lane 3:Rat brain,lane 4:Rat heart

Observed-MW:25 kDa Calculated-MW:25 kDa

Rev. V1.8

Immunohistochemistry of paraffinembedded Human kidney using SOD2 Polyclonal Antibody at dilution of 1:800

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping The product is shipped with ice pack, upon receipt, store it immediately at the

temperature recommended.

Background

Superoxide dismutases (SOD) are important anti-oxidant enzymes that guard against superoxide toxicity. In humans, as in all mammals and most chordates,three forms of superoxide dismutase (SOD) are present: SOD1 is located in the cytoplasm,SOD2 in the mitochondria,and SOD3 is extracellular. Mitochondrial superoxide dismutase [SOD; manganese SOD (MnSOD) or SOD2] neutralizes highly reactive superoxide radical (OD-2),the first member in the plethora of mitochondrial reactive oxygen species.

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