SOD2 Polyclonal Antibody

catalog number: D-AB-10436L

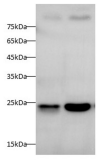
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human SOD2 protein expressed by E.coli
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
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

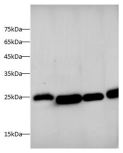
Data



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

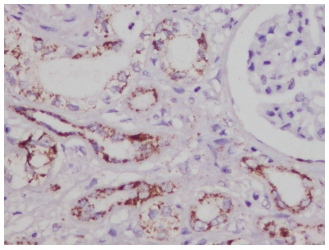
Calculated-MW:25 kDa



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



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.