

For Research Use Only

# SOD1 Polyclonal antibody

Catalog Number: 31400-1-AP



## Basic Information

Catalog Number:

31400-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000454.5

GeneID (NCBI):

6647

UNIPROT ID:

P00441

Full Name:

superoxide dismutase 1, soluble

Calculated MW:

16kDa

Observed MW:

16-20 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:2000-1:12000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : HeLa cells, Jurkat cells, mouse liver tissue, rat liver tissue

## Background Information

Superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) (SOD1, synonyms: ALS, SOD, ALS1, IPOA) binds copper and zinc ions and is one of two isozymes responsible for destroying free uperoxide radicals in the body. This 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.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

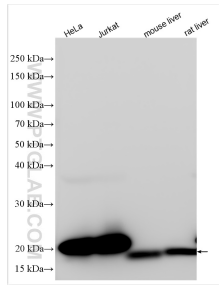
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31400-1-AP (SOD1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.