

Datasheet for ABIN768566  
**anti-SOD2 antibody (AA 119-130)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	SOD2
Binding Specificity:	AA 119-130
Reactivity:	Human, Rat, Mouse, Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SOD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Purpose:	MNSOD (aa119-130)
Immunogen:	Peptide with sequence C-EAIKRDFGSFDK, from the internal region of the protein sequence according to NP_000627.2, NP_001019637.1.
Sequence:	EAIKRDFGSF DK
Isotype:	IgG
Specificity:	NB: The immunizing peptide represents the acetylation site including K122 according to isoform A. This antibody is expected to recognize both reported isoforms (NP_000627.2, NP_001019637.1) . Reported variants represent identical protein: NP_000627.2, NP_
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat, Zebrafish (Danio rerio)
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

## Product Details

chromatography using the immunizing peptide.

Grade: Verified

## Target Details

Target: SOD2

Alternative Name: SOD2 ([SOD2 Products](#))

Background: SOD2, superoxide dismutase 2, mitochondrial, RP1-56L9.2, IPOB, MNSOD, MVCD6, Mn superoxide dismutase, indophenoloxidase B, manganese-containing superoxide dismutase, mangano-superoxide dismutase, superoxide dismutase [Mn], mitochondrial

Molecular Weight: 24.8kDa according to Human NP\_000627.2 and 24.6kDa according to Mouse NP\_038699.2

Gene ID: 6648, 20656, 24787

NCBI Accession: [NP\\_000627](#), [NP\\_001019637](#)

Pathways: [Sensory Perception of Sound](#), [Transition Metal Ion Homeostasis](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

## Application Details

Application Notes: Immunohistochemistry: Paraffin embedded Human Skeletal Muscle. Recommended concentration: 5 µg/mL.  
Western Blot: Approx 24 kDa band observed in Human Brain (cerebellum) lysates and in Mouse and Rat Brain and Spinal Cord lysates, while approx 26 kDa band was observed in lysates of cell lines HeLa, HepG2, HEK293 and NIH3T3 (calculated MW of 24.8 kDa accor  
Peptide ELISA: antibody detection limit dilution 1:64000.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.5 mg/mL

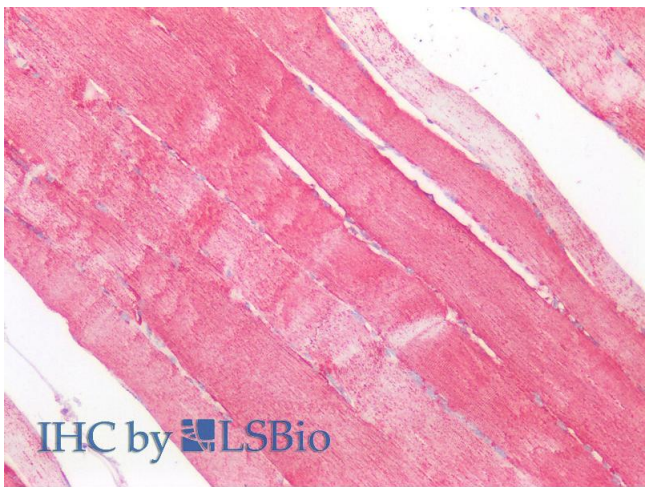
Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

## Images



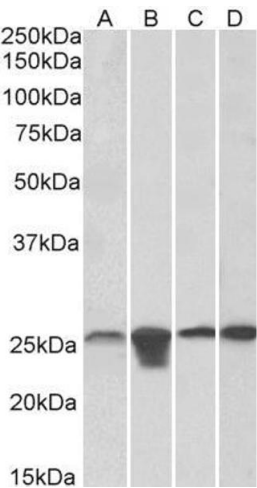
### Immunohistochemistry

**Image 1.** ABIN768566 (5µg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



### Western Blotting

**Image 2.** ABIN768566 (0.01µg/ml) staining of Mouse (A) and Rat (B) Spinal Cord lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.



Western Blotting

**Image 3.** ABIN768566 (0.1µg/ml) staining of HeLa, HepG2, HEK293 and NIH3T3 (35µg protein in RIPA buffer). Detected by chemiluminescence.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN768566.