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EB10971 - Goat Anti-MNSOD (isoform A) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SOD2, superoxide dismutase 2, mitochondrial, RP1-56L9.2, IPOB,

MNSOD, MVCD6, Mn superoxide dismutase, indophenoloxidase B,

manganese-containing superoxide dismutase, superoxide dismutase [Mn], mitochondrial

Official Symbol: SOD2

Accession Number(s): NP_000627.2

Human GeneID(s): 6648

Important Comments: This antibody is expected to recognize isoform A (NP_000627.2) only. Reported variants represent identical protein: NP_000627.2; NP_001019636.1.

Immunogen

Peptide with sequence C-DVTAQIALQPALKFN, from the internal region of the protein sequence according to NP_000627.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 23kDa band observed in Human Brain (Cerebellum, Cerebral Cortex) and HeLa lysates (calculated MW of 24.8kDa according to NP_000627.2). Recommended concentration: 0.01-0.03µg/ml. Primary incubation was 1 hour. **IHC:** Paraffin embedded Human Cortex. Recommended concentration: 5µg/ml.

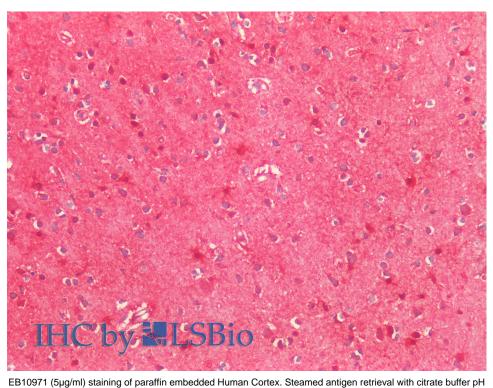
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Pig, Cow



EB10971 ($0.01\mu g/ml$) staining of Human Cerebellum lysate ($35\mu g$ protein in RIPA buffer). Detected by chemiluminescence.



EB109/1 (5μg/mi) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.