APPLICATIONS

SOD-2 (A-2) is recommended for detection of SOD-2 of human origin by Western Blotting (starting dilution: 1:100, dilution range: 1:100 - 1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein, 1 ml of cell lysate), immunofluorescence (starting dilution: 1:50, dilution range: 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution: 1:50, dilution range: 1:50-1:500) and solid phase ELISA (starting dilution: 1:30, dilution range: 1:30-1:3000).

Suitable for use as control antibody for SOD-2 siRNA (h): sc-41655, SOD-2 shRNA Plasmid (h): sc-41655-SH and SOD-2 shRNA (h) Lentiviral Particles: sc-41655-V.

Molecular Weight of SOD-2: 25 kDa.

Positive Controls: SOD-2 (h3): 293T Lysate: sc-176492, HL-60 whole cell lysate: sc-2209 or HISM cell lysate: sc-2229.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgG-HRP: sc-2005 (dilution range: 1:2000-1:5000) or CruzMarker™ compatible goat anti-mouse IgG-HRP: sc-2031 (dilution range: 1:2000-1:5000), CruzMarker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-mouse IgG-FITC: sc-2010 (dilution range: 1:100-1:400) or goat anti-mouse IgG-TR: sc-2781 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 4) Immunohistochemistry: use ImmunoCruz™: sc-2050 or ABC: sc-2017 mouse IgG Staining Systems.

DATA

REFERENCES


CHROMOSOMAL LOCATION

Genetic locus: SOD2 (human) mapping to 6q25.3.

SOURCE

SOD-2 (A-2) is a mouse monoclonal antibody raised against amino acids 1-222 representing full length SOD-2 of human origin.

PRODUCT

Each vial contains 200 µg IgG2b in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.