Agrisera
Part of Thermo Fisher Scientific

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS13 2645

Anti-SOD1 aa 80-96 | superoxide dismutase 1, soluble (clone number 210,29)

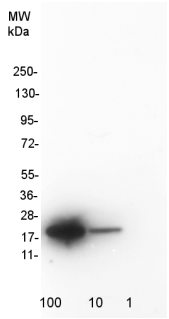
Product information

Immunogen	KLH-conjugated synthetic peptide derived from human SOD1 sequence, amino acids 80-96 P00441. Peptide used to elicit this antibody is not conserved in SOD2, 3 and 4.
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgG1
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1 : 1000-1 : 10 000 (ELISA), 1 : 1000 (WB)
Expected | apparent MW	15.9 kDa
Confirmed reactivity	Human
Predicted reactivity	Bovine, Chimpanzee, Dog, Goat, Guinea Pig, Mouse, Pig, Rabbit, Rat, *Schizosaccharomyces pombe*, Sheep
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

Application example



100,10 and 1 ng of recombinant human SOD1 were separated by 4-20 % SDS-PAGE and transferred electrophoretically (25V, 10 min) onto PVDF membrane. Non-specific binding sites were blocked by incubating membrane with 5 % dry milk in PBS, 0.1 % Tween 20 for 1h at room temperature (RT) with agitation. The membrane was thereafter incubated with the primary antibody SOD1 aa 58-72 at a dilution of 1: 1 000 for 3h at RT with agitation. The antibody solution was decanted and the membrane was rinsed 3 times for 5 min in PBS-T (0.05 %) at RT with agitation. The membrane was then incubated with the secondary antibody (Rabbit Anti-Mouse IgG – HRP conjugated (DAKO) at a 1:1 000 dilution) for 1h at RT with agitation. The membrane was washed as above and developed for 5 min with Amersham ECL prime western blotting detection reagent according to the manufacturer's instructions (GE Healthcare). Exposure time was 15 s.