

# SOD1 antibody

# Cat. No. GTX100554

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, ELISA, Sandwich ELISA
Reactivity	Human, Mouse, Rat, Alligator, Bird



# Applications

# **Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution	
WB	1:500-1:10000	
ICC/IF	1:100-1:1000	
IHC-P	1:100-1:1000	
ELISA	1:1000-1:10000	
Sandwich ELISA	Assay dependent	
Note: Capture: GTX100554, Detection: GTX89049		

Not tested in other applications.

Calculated MW 16 kDa. (Note)

Properties	
Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.15 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human SOD1. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated



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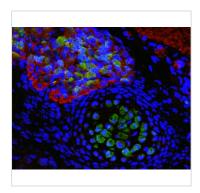
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#### Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



## GTX100554 IHC-P Image

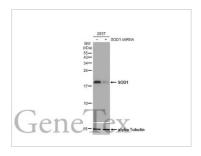
Immunofluorescence photomicrographs of paraffin-embedded mouse fetal brain.

Green: SOD1 antibody (GTX100554) diluted at 1:200. The signal was developed using goat anti-rabbit IgG antibody (Dylight488) (GTX213110-04).

Red: beta Tubulin 3/ TUJ1 antibody [GT11710] diluted at 1:100. The signal was developed using goat antimouse IgG antibody (Dylight594) (GTX213111-05).

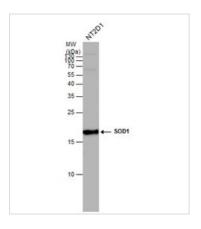
Blue: Nuclear staining with Hoechst 33342.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



## GTX100554 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30  $\mu$ g) were separated by 15% SDS-PAGE, and the membrane was blotted with SOD1 antibody (GTX100554) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



## GTX100554 WB Image

SOD1 antibody detects SOD1 protein by western blot analysis. Whole cell extracts (30  $\mu$ g) was separated by 15% SDS-PAGE, and the membrane was blotted with SOD1 antibody (GTX100554) at a dilution of 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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