

Anti-SOD2 antibody (25-222) (STJ25654)

STJ25654

GENERAL INFORMATION

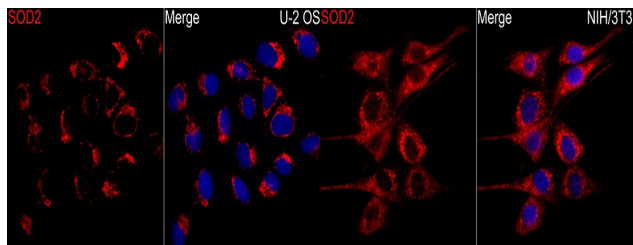
Product Type	Primary antibodies
Short Description	
Applications	WB/IHC-P/IF/ICC/ELISA
Host/Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

Clonality	Polyclonal
Clone ID	
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution	WB:1:500-1:2000
Range	IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Storage	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.
Instruction	

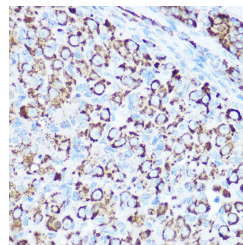
TARGET INFORMATION

Gene ID	6648
Gene Symbol	SOD2
Uniprot ID	SODM_HUMAN
Immunogen	25-222
Region	
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 25-222 of human SOD2 (NP_000627.2).
Immunogen Sequence	KHSLPDLPYDYGALPHINA QIMQLHHSKHAAAYVNNLN TEEKYQEALAKGDVTAQIAL QPALKFNGGGHINHSIFWTN LSPNGGGEPKGELLEAIKRD FGSDFKFKEKLTAASVGVGQ SGWGWLGFNKERGHLQIAAC PNQDPLQGTTGLIPLLGLIDV WEHAYYLQYKNVRPDYLKAI WNVINWENVTERYMACKK

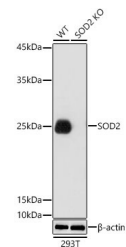


Immunofluorescence analysis of U-2 OS cells using a [KO Validated] SOD2 Rabbit polyclonal antibody (STJ25654) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of NIH/3T3 cells using a [KO Validated] SOD2 Rabbit polyclonal antibody (STJ25654) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded rat ovary using SOD2 Rabbit polyclonal antibody (STJ25654) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts from wild type (WT) and SOD2 knockout (KO) 293T cells, using SOD2 Rabbit polyclonal antibody (STJ25654) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ5000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.
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