

## Anti-SOD2 antibody [ARC0055] (STJ11101707)

STJ11101707

### GENERAL INFORMATION

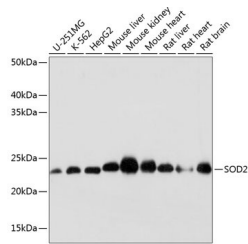
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Rabbit monoclonal antibody anti-SOD2 is suitable for use in Western Blot, Immunohistochemistry and Immunofluorescence.
<b>Applications</b>	WB, IHC, IF
<b>Host/Source</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat

### PRODUCT PROPERTIES

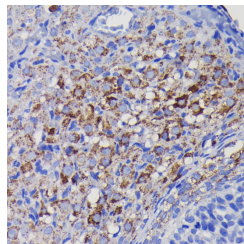
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	ARC0055
<b>Concentration</b>	
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Affinity purification
<b>Dilution Range</b>	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
<b>Formulation</b>	PBS containing 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH7.3.
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store in a freezer at -20°C and avoid freeze-thaw cycles.

### TARGET INFORMATION

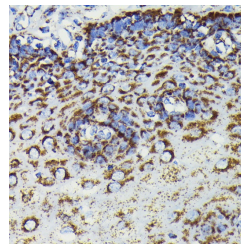
<b>Gene ID</b>	6648
<b>Gene Symbol</b>	SOD2
<b>Uniprot ID</b>	SODM_HUMAN
<b>Immunogen</b>	A synthesized peptide derived from human SOD2.
<b>Immunogen Region</b>	
<b>Specificity</b>	
<b>Immunogen Sequence</b>	



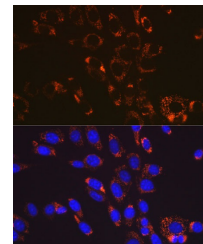
Western blot analysis of extracts of various cell lines, using SOD2 antibody (STJ11101707) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



Immunohistochemistry of paraffin-embedded rat ovary using SOD2 antibody (STJ11101707) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophageal using SOD2 antibody (STJ11101707) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of NIH-3T3 cells using SOD2 antibody (STJ11101707). Blue: DAPI for nuclear staining.

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.  
St John's Laboratory Ltd, Knowledge Dock Business Centre, University Way, London, E16 2RD | Tel: 0208 223 3081