

Product Datasheet

SOD2 Rabbit Polyclonal Antibody (orb584029)

Catalog Number	orb584029
Category	Antibodies
Description	Rabbit polyclonal antibody to SOD2
Target	SOD2
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Human, Rat
Predicted Reactivity	Bovine, Canine, Equine, Goat, Guinea pig, Mouse, Rabbit, Sheep, Zebrafish
Form/Appearance	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml
Buffer/Preservatives	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification	Affinity Purified
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SOD2
Protein Sequence	Synthetic peptide located within the following region: MLSRVCGTSRQLAPVLGYLGSRQKHSLPDLPHYDYGALEPHINAQIMQLH
UniProt ID	P04179

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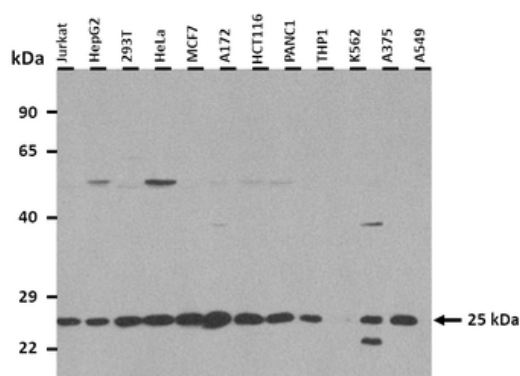
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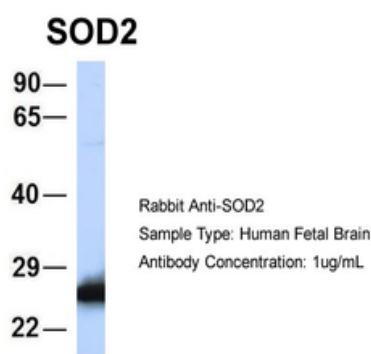
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MW	25 kDa
Tested applications	WB
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
NCBI	NP_000627
Expiration Date	12 months from date of receipt.



25 ug of the indicated Human whole cell or tissue extracts was loaded onto a 12% SDS-PAGE gel. 1 ug/ml of the antibody was used in this experiment.



Sample Type: Human Fetal Brain, Antibody dilution: 1.0 ug/ml.

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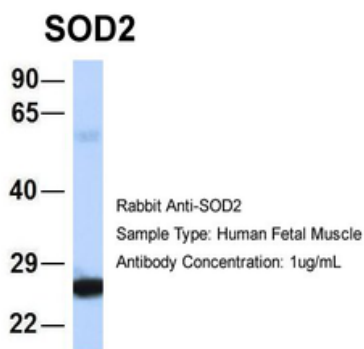
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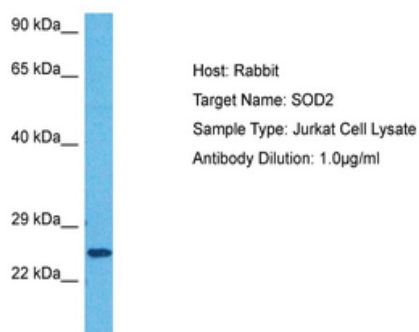
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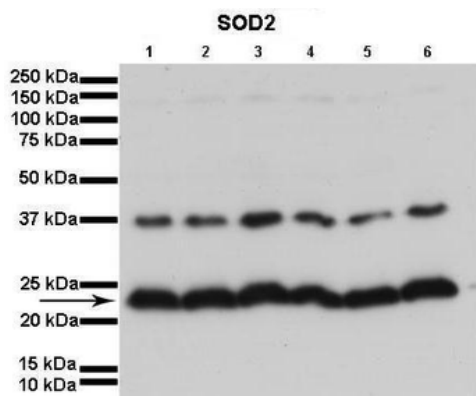
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Sample Type: Human Fetal Muscle, Antibody dilution: 1.0 ug/ml.



Sample Tissue: Human Jurkat Whole Cell, Antibody dilution: 1 ug/ml.



Lanes: 1. 40 ug HK2 cell (kidney proximal tubular cell line) 2. 40 ug H₂O₂ treated human HK2 Cell lysate, 3. 40 ug H₂O₂ treated human HK2 Cell lysate, 4. 40 ug H₂O₂ treated human HK2 Cell lysate, 5. 40 ug H₂O₂ treated human HK2 Cell lysate, 6. 40 ug H₂O₂ treated human HK2 Cell lysate, Primary Antibody dilution: 1:1000, Secondary Antibody: Goat anti-Rabbit HRP, Secondary Antibody dilution: 1:2000, Gene Name: SOD2.

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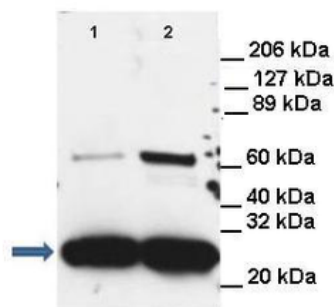
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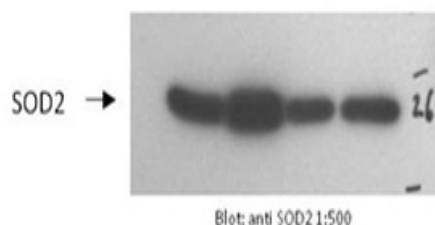
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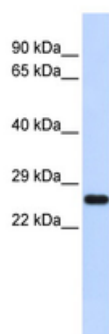
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SOD2

Lanes: 1. 40 µg rat dorsal medulla brain extract 2. 20 µg rat cortex + hypothalamus mitochondria extract, Primary Antibody dilution: 1:2500, Secondary Antibody: Anti-Rabbit HRP, Secondary Antibody dilution: 1:5000, Gene Name: SOD2.



WB Suggested Anti-SOD2 antibody, Titration: 0.4 µg/ml, Positive Control: Rat dorsal medulla brain & cortex + hypothalamus extract.



WB Suggested Anti-SOD2 Antibody Titration: 0.2-1 µg/ml, ELISA Titer: 1:1562500, Positive Control: Human Placenta.

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