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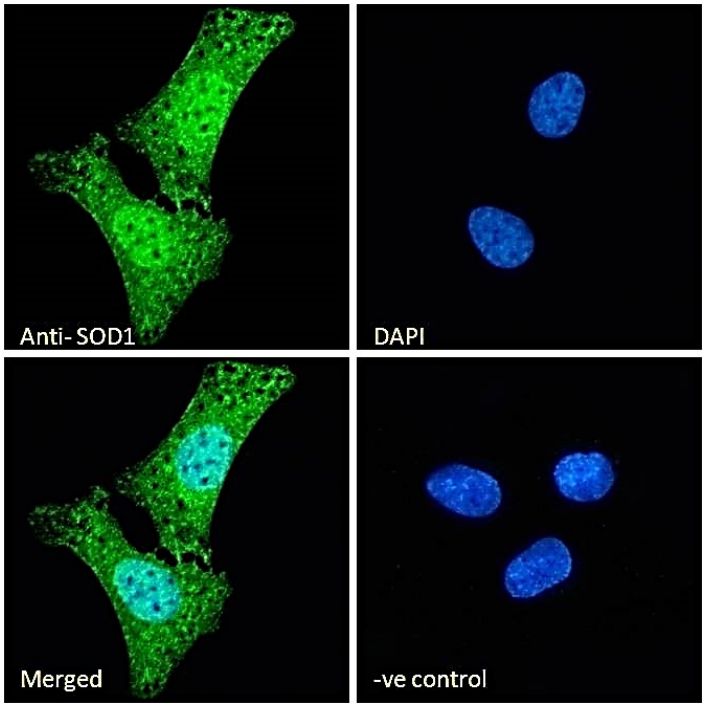
GOAT ANTI-SOD1 ANTIBODY

SKU: EB07208



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	epididymis secretory protein Li 44|hSod1|HEL-S-44|superoxide dismutase, cystolic|superoxide dismutase 1, soluble|indophenoloxidase A|SOD, soluble|Cu/Zn superoxide dismutase|SOD|IPOA|ALS1|ALS|HGNC:11179|superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))|SOD1
Usage Summary	Immunofluorescence: Strong expression of the protein seen in the nucleus and cytoplasm of U2OS cells and the cytoplasm of A431 cells. Recommended concentration: 10µg/ml. Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.
Accession ID	NP_000445.1

Blocking Peptide	EBP07208
Immunogen	Peptide with sequence C-SRKHGGPKDEERH, from the internal region of the protein sequence according to NP_000445.1.
Peptide Sequence	C-SRKHGGPKDEERH
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog
Reactive Species	Human, Mouse
Human Gene ID	6647
Mouse Gene ID	20655
Rat Gene ID	24786
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:8000.
Western Blot	Approx 18kDa band observed in Mouse Brain and Rat Spinal Cord lysates, and in lysates of cell line NIH3T3. Approx 20kDa observed in lysates of cell lines HEK293, HepG2 and MCF7 (calculated MW of 15.9kDa according to Human NP_000445.1, Mouse NP_035564.1 and Rat NP_058746.1). Recommended concentration: 0.01-0.03µg/ml. Primary incubation 1 hour at room temperature. This antibody has been successfully used in Western blot on Mouse: Frazziano G et al. (2014) PMID: 24213612.
Application Type	Pep-ELISA, WB, IF

SELECTED REFERENCES

[{"pmid": 24213612, "intro": "**This antibody has been successfully used in Western blot on Mouse:**", "title": "Nox-derived ROS are acutely activated in pressure overload pulmonary hypertension: indications for a seminal role for mitochondrial Nox4.", "author": "Frazziano G, Al Ghouleh I, Baust J, Shiva S, Champion HC, Pagano PJ.", "journal": "Am J Physiol Heart Circ Physiol. 2014 Jan 15;306(2):H197-205."}, {"pmid": 30377371, "intro": "**This antibody has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}]

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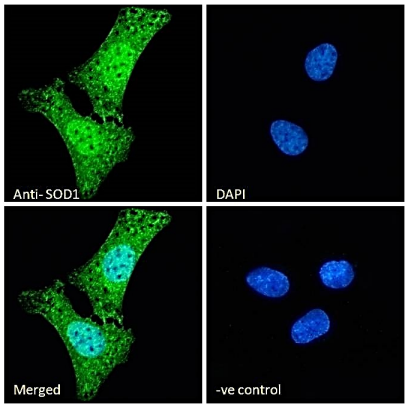
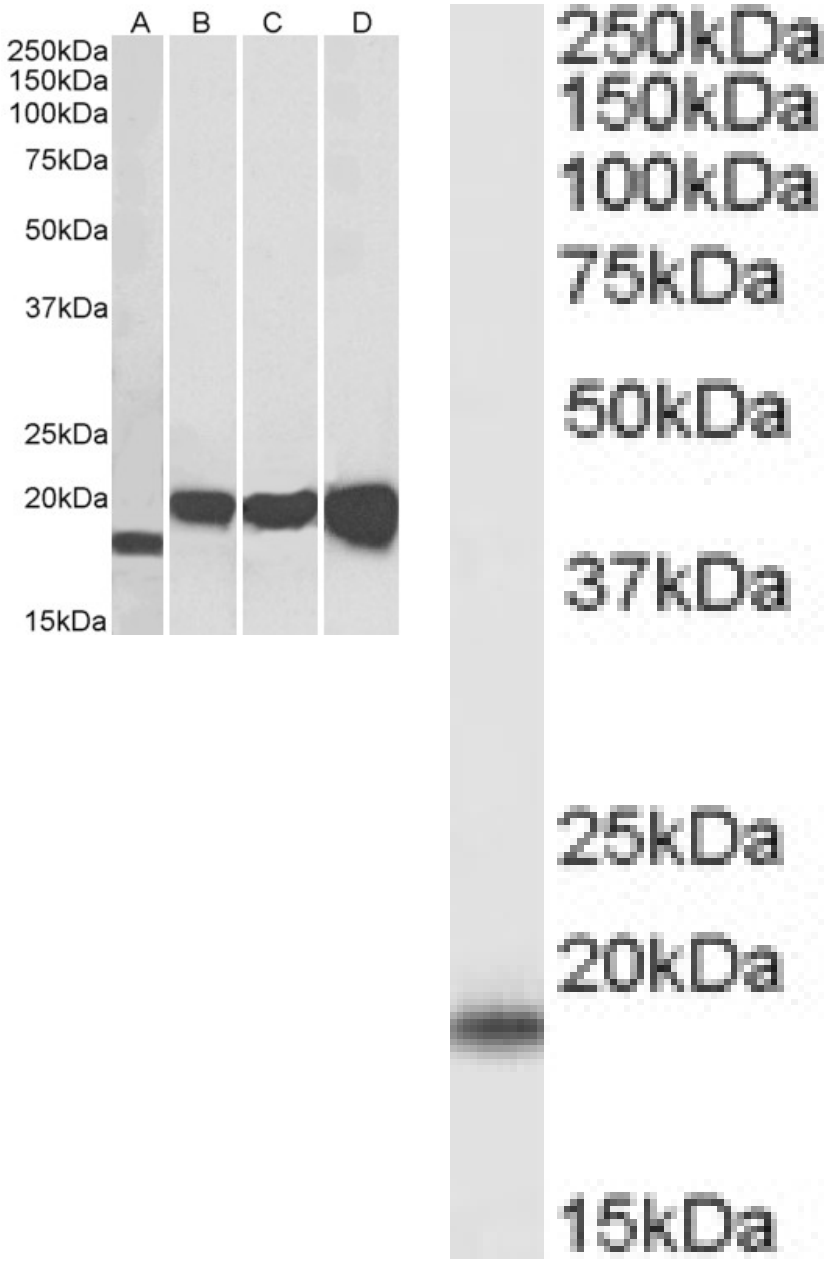
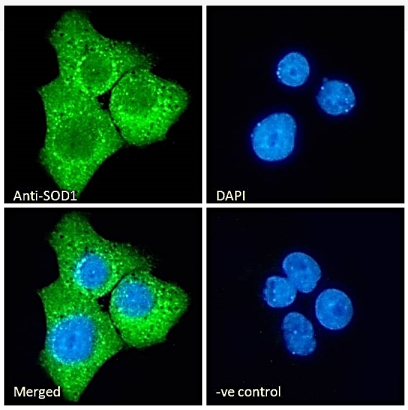
DOCUMENTS

- Data Sheet

GALLERY IMAGES

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