

Sox2 Polyclonal Antibody

CATALOG #:	3889-100
AMOUNT:	100 µg
LOT #:	_____
IMMUNOGEN:	Synthetic peptide surrounding amino acid 301 of human Sox2 (Internal ID#: BV- C18)

FORMULATION:

100 µg (0.5 mg/ml) antigen affinity purified rabbit anti-Sox-2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol and 0.01% Thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

SPECIES REACTIVITY: Human, Mouse, Rat, Dog, Bovine, Pig, Sheep

BACKGROUND:

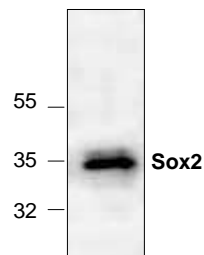
Sox genes encode for transcriptional regulators that are involved in the early embryonic development and in the determination of cell fate. Sox2 is also known as SRY (sex determining region Y)-box2, contain genes that encode for the HMG-box domain that is responsible for DNA binding activity. Mutation of Sox2 genes is link to optic nerve hypoplasia and anophthalmia, a severe form of eye deformity.

SPECIFICITY:

The antibody detects ~35kDa of Sox2 in samples from mouse origins. Blocking peptide (Cat. #:3889BP-50) is available separately.

APPLICATIONS:

The antibody can be used for Western blotting (0.5-1 µg/ml). However, the optimal conditions should be determined individually. Other applications have not been tested.



Cat. #: 3889-100
Western blot analysis
of Sox-2 in 3T3 cell
lysate.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione Fluorometric & Colorimetric Assay Kits
- Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit

Growth Factors and Cytokines (many)

Monoclonal and Polyclonal Antibodies

Quality Chemicals and Reagents

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