

## Sox2 Polyclonal Antibody

**CATALOG NO:** 3889-30T 30 µg (Trial size)  
3889-100 100 µg

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 301 of human Sox2 (Internal ID#: BV- C18)

### FORMULATION:

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/thaw cycles.

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

### BACKGROUND:

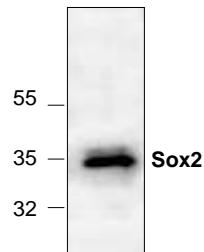
Sox genes encode for transcriptional regulators that are involved in the early embryonic development and in the determination of cell fate. Sox2 is also known as SRY (sex determining region Y)-box2, contain genes that encode for the HMG-box domain that is responsible for DNA binding activity. Mutation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

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### 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