

## SOX2 Antibody

Catalog No: #21425

Package Size: #21425-1 50ul #21425-2 100ul

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## Description

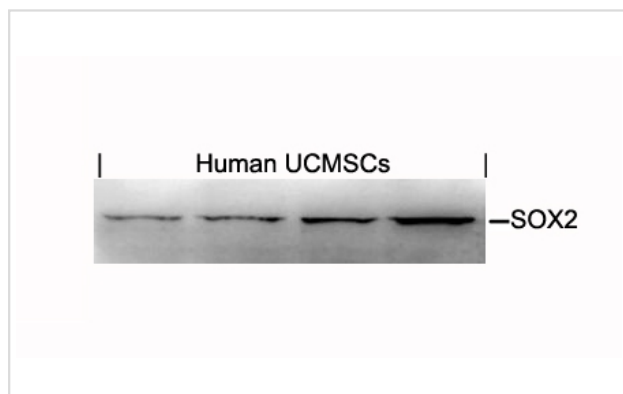
|                       |   |
|-----------------------|---|
| Product Name          | SOX2 Antibody   |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB  |
| Species Reactivity    | Hu Ms Rt  |
| Specificity           | The antibody detects endogenous level of total SOX2 protein.  |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Peptide sequence around aa.76~80 (G-A-E-W-K) derived from SOX2  |
| Target Name           | SOX2  |
| Other Names           | Transcription factor SOX-2  |
| Accession No.         | Swiss-Prot: P48431NCBI Protein: NP_003097.1   |
| Uniprot               | P48431  |
| GeneID                | 6657;   |
| Concentration         | 1.0mg/ml  |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.   |

## Application Details

Predicted MW: 35kd

Western blotting: 1:1000

## Images



Western blot analysis of extracts from human Umbilical cord mesenchymal stem cell using SOX2 Antibody #21425.

## Background

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Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency

Yuan H, et al. Genes Dev. 1995 Nov 1;9(21):2635-45

Muta M, et al. Genes Cells 2002 Aug;7(8):791-805

Tomioka M, et al. Nucleic Acids Res. 2002 Jul 15; 30(14): 3202-3213.

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Note: This product is for in vitro research use only