SOX2 Antibody

Catalog No: #21425

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

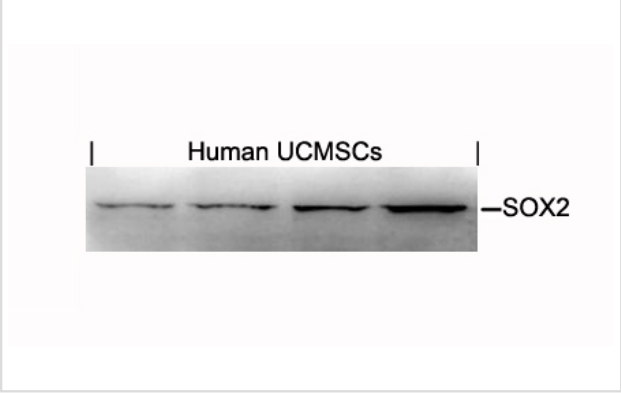
Product Name	SOX2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
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
Conjugates	Unconjugated
Target Name	SOX2
Other Names	Transcription factor SOX-2
Accession No.	Swiss-Prot: P48431NCBI Protein: NP_003097.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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

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.

Published Papers

el at., Activation of mesenchymal stem cells by macrophages prompts human gastric cancer growth through NF-ı-• B pathway.In PLoS One on 2014 May 13 by Tingting Yang , Xu Zhang et al..PMID:24824968, , (2014)

PMID:24824968

el at., SALL4, a novel marker for human gastric carcinogenesis and metastasis.In Oncogene on 2014 Nov 27 by L Zhang , Z Xu et al..PMID:24276240, , (2014)

PMID:24276240

el at., Tumorigenic hybrids between mesenchymal stem cells and gastric cancer cells enhanced cancer proliferation, migration and stemness.In BMC Cancer on 2015 Oct 24 by Jianguo Xue , Yuan Zhu et al..PMID: 26498753, , (2015)

PMID:26498753