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Product datasheet for TA354596

SOX1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide derived from N-terminus of Human SOX-1 protein. This sequence is identical among human and mouse.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40 kDa
Gene Name:	SRY-box 1
Database Link:	NP_005977 Entrez Gene 20664 MouseEntrez Gene 6656 Human O00570

View online »

Background: The SOX1 is a transcription factor, a member of the SRY-related HMG-box (SOX) family involved in the regulation of embryonic development and in the determination of cell fate. SOX1 is expressed in the developing brain. SOX1 is related to the HMG box of family transcription factors, which are a highly motile group, with a highly conserved DNA binding domain. Sox1 utilizes multiple pathways to play a direct role on cell fate. SOX1 is also directly involved with sex determination of the Y chromosome. Binding of the SOX1, C-terminus, to the Hes 1 promoter results in Hes1 suppression and attenuation of Notch signaling. When the C-terminus of SOX1 binds to β-catenin, TCF/LEF is suppressed, resulting in the attenuation of Wnt signaling.

Synonyms: SRY (sex determining region Y)-box 1; SRY-related HMG-box gene 1

Protein Families: Adult stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane

Product images:

WB: The whole cell lysate derived from embryonic mouse brain immunoblotted by Rabbit anti-SOX-1 at 1:500. An immunoreactive protein band was observed around 40kDa.