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Product datasheet for TA336549

SOX2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:100-1:2000, ELISA: 1:100-1:2000, IHC: 1:10-1:500
Reactivity:	Human, Mouse, Rat, Fish
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Reacts with residues 113-127 of the 37 kDa (predicted molecular weight is 34 kDa) human, mouse and rat SOX-2 protein. Sequence is 100% conserved in most species.
Formulation:	PBS, 0.02% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34.3 kDa
Gene Name:	SRY-box 2
Database Link:	NP_003097 Entrez Gene 20674 MouseEntrez Gene 499593 RatEntrez Gene 6657 Human P48431
Background:	SOX 2 is also known as SRY related HMG BOX gene 2. All SOX proteins have a single HMG box and bind linear DNA in a sequence-specific manner, resulting in the bending of DNA through large angles. Bending causes the DNA helix to open for some distance, which may affect binding and interactions of other transcription factors. SOX1, SOX2 and SOX3 show the closest homology to SRY. They share maximum homology within the HMG domain and are expressed mainly in the developing nervous system of the mouse. These genes share significant homology outside the HMG box also and are highly conserved throughout their evolution.

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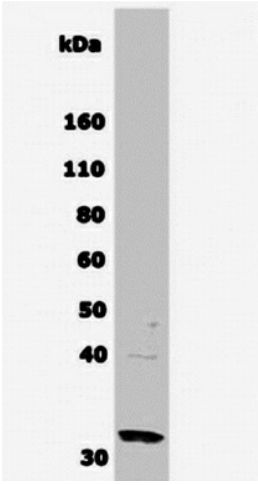
Synonyms: ANOP3; MCOPS3

Note: Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 22031714)

Protein Families: Adult stem cells, Cancer stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

Product images:



Western Blot: SOX2 Antibody TA336549 - WB analysis of SOX-2 protein in 10ug of normal human brain lysate with SOX-2 antibody TA336549 at a dilution of 1:500