10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SOX18 Antibody

Rabbit mAb
Catalog # AP90457

Product Information

Application	WB, IHC
Primary Accession	P35713
Reactivity	Human
Clonality	Monoclonal
Other Names	HLTS; Sox18 ; SRY box 18; Transcription factor SOX 18;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	40891

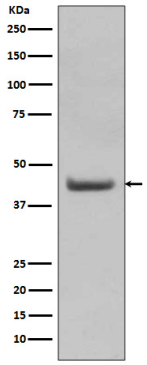
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SOX18
Description	Binds to the consensus sequence 5'-AACAAAG-3' and is able to trans-activate transcription via this site. Defects in SOX18 are the cause of hypotrichosis-lymphedema-telangiectasia syndrome (HLTS) [MIM:607823].
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	SOX18
Function	Transcriptional activator that binds to the consensus sequence 5'-AACAAAG-3' in the promoter of target genes and plays an essential role in embryonic cardiovascular development and lymphangiogenesis. Activates transcription of PROX1 and other genes coding for lymphatic endothelial markers. Plays an essential role in triggering the differentiation of lymph vessels, but is not required for the maintenance of differentiated lymphatic endothelial cells. Plays an important role in postnatal angiogenesis, where it is functionally redundant with SOX17. Interaction with MEF2C enhances transcriptional activation. Besides, required for normal hair development.
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267}.
Tissue Location	Detected in heart, lung, placenta, skeletal muscle, liver, kidney, spleen, prostate, ovary, msosmall intestine and colon

Images



Western blot analysis of SOX18 expression in (1) K562 cell lysate; (2) human stomach lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.