

SOX13 Rabbit pAb

SOX13 Rabbit pAb
Catalog # AP54557

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9UN79
Predicted	Rat, Dog, Human, Mouse, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69228
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ICA12
Epitope Specificity	401-500/622
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. It has also been determined to be a type-1 diabetes autoantigen, also known as islet cell antibody 12. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	9580
Other Names	Transcription factor SOX-13, Islet cell antigen 12, SRY (Sex determining region Y)-box 13, Type 1 diabetes autoantigen ICA12, SOX13
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SOX13
-------------	-------

Function	Transcription factor that binds to DNA at the consensus sequence 5'-AACAAAT-3' (PubMed: 10871192). Binds to the proximal promoter region of the myelin protein MPZ gene, and may thereby be involved in the differentiation of oligodendroglia in the developing spinal tube (By similarity). Binds to the gene promoter of MBP and acts as a transcriptional repressor (By similarity). Binds to and modifies the activity of TCF7/TCF1, thereby inhibiting transcription and modulates normal gamma-delta T-cell development and differentiation of IL17A expressing gamma-delta T-cells (By similarity). Regulates expression of BLK in the differentiation of IL17A expressing gamma-delta T-cells (By similarity). Promotes brown adipocyte differentiation (By similarity). Inhibitor of WNT signaling (PubMed: 20028982).
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00267}. Cytoplasm
Tissue Location	Expressed in exocrine cells and islets of Langerhans in the pancreas (at protein level) (PubMed:10871192) Expressed in the pancreas, placenta, kidney, brain, heart, lung, and liver (PubMed:10871192, PubMed:20028982). Expressed in adipose tissue, cervix, colon, esophagus, ovary, prostate, small intestine, spleen, testicle, thymus and thyroid (PubMed:20028982)

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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