

SOX13 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI10553

Product Information

Application	WB
Primary Accession	Q9UN79
Other Accession	NM_005686 , NP_005677
Reactivity	Human, Mouse, Rat, Dog, Bovine
Predicted	Human, Mouse, Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69228

Additional Information

Gene ID	9580
Alias Symbol	ICA12, MGC117216, SRY-box 13, Sox-13
Other Names	Transcription factor SOX-13, Islet cell antigen 12, SRY (Sex determining region Y)-box 13, Type 1 diabetes autoantigen ICA12, SOX13
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SOX13 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SOX13 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

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](#)).

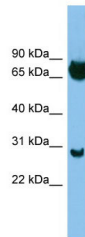
Cellular Location

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)

Images



WB Suggested Anti-SOX13 Antibody Titration: .2-1 ug/ml

ELISA Titer: 1:625

Positive Control: ACHN cell lysate

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