

SOX13 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10553**Specification****SOX13 antibody - middle region - Product Information**

Application	WB
Primary Accession	O9UN79
Other Accession	NM_005686 , NP_005677
Reactivity	Human, Mouse, Rat, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69kDa KDa

SOX13 antibody - middle region - 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.

SOX13 antibody - middle region - 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)

SOX13 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

