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SOX7 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11135

Product Information

Application	WB
Primary Accession	P40646
Other Accession	NM_011446, NP_035576
Reactivity	Human, Mouse, Rat, Pig, Bovine
Predicted	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41489

Additional Information

Gene ID	20680
Other Names	Transcription factor SOX-7, mSOX7, Sox7, Sox-7
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-SOX7 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	SOX7 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Sox7
Synonyms	Sox-7
Function	Binds to and activates the CDH5 promoter, hence plays a role in the transcriptional regulation of genes expressed in the hemogenic endothelium and blocks further differentiation into blood precursors. May be required for the survival of both hematopoietic and endothelial precursors during specification. May play a role in skeletal myogenesis and up-regulate the expression of muscle markers, such as PAX3/PAX7 and Meox1. Competes with GATA4 for binding and activation of the FGF3 promoter. Represses Wnt/beta-catenin-stimulated transcription. Probably acts by targeting CTNNB1 to proteasomal degradation. Binds the DNA sequence 5'-AACAAT-3'.

Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267, ECO:0000269|PubMed:11691915}. Cytoplasm
Tissue Location	Predominantly expressed in ovary, lung and heart. In the ovary, restricted to oocytes (at protein level). Present both in mesenchymal and epithelial cells in some adult tissues, including ear

References

Wilson,M.E., et al., (2005) Diabetes 54 (12), 3402-3409Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-SOX7 Antibody Titration: 1.25µg/ml
ELISA Titer: 1:12500
Positive Control: SP2/0 cell lysate

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