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Anti-TBX15/18 Antibody

Catalog # AP51549

Product Information

Application	WB, IHC, IP, IF/IC
Primary Accession	O95935
Other Accession	Q96SF7
Reactivity	Human, Mouse, Rat, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64753

Additional Information

Gene ID	9096
Other Names	TBX18; T-box transcription factor TBX18; T-box protein 18; TBX15; TBX14; T-box transcription factor TBX15; T-box protein 15; T-box transcription factor TBX14; T-box protein 14
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TBX15/18. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IP~~N/A IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

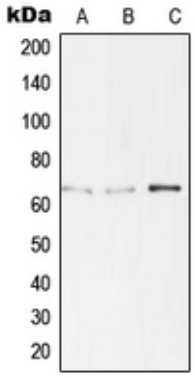
Name	TBX18
Function	Acts as a transcriptional repressor involved in developmental processes of a variety of tissues and organs, including the heart and coronary vessels, the ureter and the vertebral column. Required for embryonic development of the sino atrial node (SAN) head area.
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00201, ECO:0000269|PubMed:26235987}

References

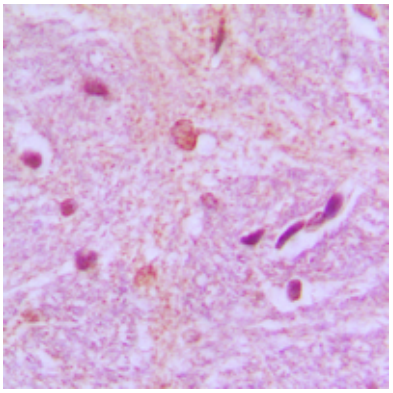
Mungall A.J.,et al.Nature 425:805-811(2003).

Yi C.-H.,et al.Genomics 55:10-20(1999).

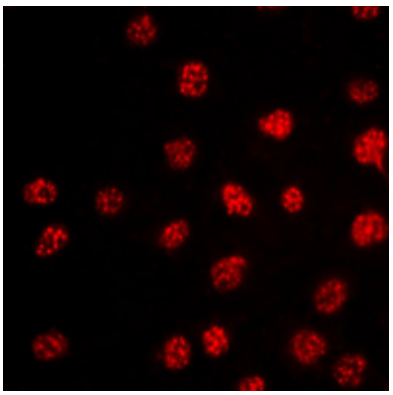
Images



Western blot analysis of TBX15/18 expression in Jurkat (A), HepG2 (B), LOVO (C) whole cell lysates. (Predicted band size: 64; 65 kD; Observed band size: 65 kD)



Immunohistochemical analysis of TBX15/18 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of TBX15/18 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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