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TBX3 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50213

Product Information

Application	WB
Primary Accession	O15119
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	79389

Additional Information

Gene ID	6926
Other Names	T-box transcription factor TBX3, T-box protein 3, TBX3
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	TBX3
Function	Transcriptional repressor involved in developmental processes (PubMed:10468588). Binds to the palindromic T site 5'-TTCACACCTAGGTGTGAA-3' DNA sequence, or a half-site, which are present in the regulatory region of several genes (PubMed:12000749). Probably plays a role in limb pattern formation (PubMed:10468588). Required for mammary placode induction, and maintenance of the mammary buds during development (By similarity). Involved in branching morphogenesis in both developing lungs and adult mammary glands, via negative modulation of target genes; acting redundantly with TBX2 (By similarity). Required, together with TBX2, to maintain cell proliferation in the embryonic lung mesenchyme; perhaps acting downstream of SHH, BMP and TGFbeta signaling (By similarity). Involved in modulating early inner ear development, acting independently of, and also redundantly with, TBX2 in different subregions of the developing ear (By similarity). Acts as a negative regulator of PML function in cellular senescence (PubMed:22002537).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00201}.

Tissue Location Widely expressed.

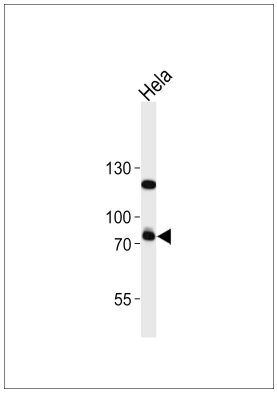
Background

Transcriptional repressor involved in developmental processes. Probably plays a role in limb pattern formation. Acts as a negative regulator of PML function in cellular senescence.

References

He M.-L.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:10212-10217(1999).
Bamshad M.,et al.Nat. Genet. 16:311-315(1997).
Bamshad M.,et al.Am. J. Hum. Genet. 64:1550-1562(1999).
Song H.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
Cantin G.T.,et al.J. Proteome Res. 7:1346-1351(2008).

Images



Western blot analysis of lysate from Hela cell line,using TBX3 Antibody(C21105). C21105 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

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