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Tbx3 Antibody

Rabbit mAb
Catalog # AP92421

Product Information

Application	WB, FC, IP
Primary Accession	O15119
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	T box 3; T-box protein 3; Tbx3; TBX3 ISO; UMS; XHL;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	79389

Additional Information

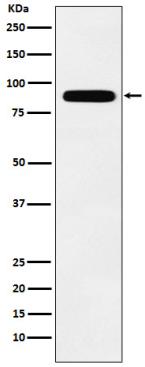
Dilution	WB 1:500~1:2000 IP 1:50 FC 1:100
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Tbx3
Description	Transcriptional repressor involved in developmental processes. Probably plays a role in limb pattern formation.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of Tbx3 expression in MCF7 cell lysate.

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