

Recombinant Anti-TBX3 Rabbit mAb

Catalog # AP95158

Product Information

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

Additional Information

Gene ID	6926
Other Names	T-box transcription factor TBX3; T-box protein 3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human TBX3 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

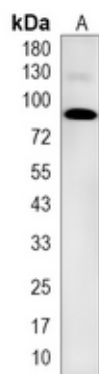
Protein Information

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 (A) whole cell lysates. (Predicted band size: 79 kD; Observed band size: 85 kD)

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