

# Anti-Tbx3 Rabbit Monoclonal Antibody

Catalog # ABO15840

## Product Information

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IP, FC                                                                                                                         |
| <b>Primary Accession</b> | <a href="#">O15119</a>                                                                                                             |
| <b>Host</b>              | Rabbit                                                                                                                             |
| <b>Isotype</b>           | IgG                                                                                                                                |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                  |
| <b>Clonality</b>         | Monoclonal                                                                                                                         |
| <b>Format</b>            | Liquid                                                                                                                             |
| <b>Description</b>       | Anti-Tbx3 Rabbit Monoclonal Antibody . Tested in WB, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 6926                                                                                                                                       |
| <b>Other Names</b>         | T-box transcription factor TBX3, T-box protein 3, TBX3                                                                                     |
| <b>Calculated MW</b>       | 79389                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>IP 1:50<br>FC 1:100                                                                                                     |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: 24T17                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human Tbx3                                                                                              |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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| <b>Name</b>     | TBX3                                                                                                                                                                                                                                                                                                        |
| <b>Function</b> | Transcriptional repressor involved in developmental processes (PubMed: <a href="#">10468588</a> ). 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: <a href="#">12000749</a> ). 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**

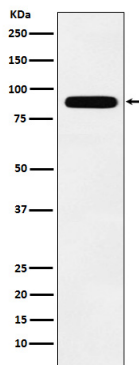
Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00201}.

**Tissue Location**

Widely expressed.

## Images

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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'.