

# Anti-5T4 TPBG Rabbit Monoclonal Antibody

Catalog # ABO13252

## Product Information

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| <b>Application</b>       | WB, IHC                                                                                                        |
| <b>Primary Accession</b> | <a href="#">Q13641</a>                                                                                         |
| <b>Host</b>              | Rabbit                                                                                                         |
| <b>Isotype</b>           | Rabbit IgG                                                                                                     |
| <b>Reactivity</b>        | Human                                                                                                          |
| <b>Clonality</b>         | Monoclonal                                                                                                     |
| <b>Format</b>            | Liquid                                                                                                         |
| <b>Description</b>       | Anti-5T4 TPBG Rabbit Monoclonal Antibody . Tested in WB, IHC applications.<br>This antibody reacts with Human. |

## Additional Information

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| <b>Gene ID</b>                  | 7162                                                                                                                                                                                                                                                           |
| <b>Other Names</b>              | Trophoblast glycoprotein, 5T4 oncofetal antigen, 5T4 oncofetal trophoblast glycoprotein, 5T4 oncotrophoblast glycoprotein, M6P1, Wnt-activated inhibitory factor 1, WAIF1, TPBG, 5T4                                                                           |
| <b>Calculated MW</b>            | 46032                                                                                                                                                                                                                                                          |
| <b>Application Details</b>      | WB 1:500-1:1000<br>IHC 1:50-1:200                                                                                                                                                                                                                              |
| <b>Subcellular Localization</b> | Cell membrane ; Single-pass type I membrane protein.                                                                                                                                                                                                           |
| <b>Tissue Specificity</b>       | Expressed by all types of trophoblasts as early as 9 weeks of development. Specific for trophoblastic cells except for amniotic epithelium. In adult tissues, the expression is limited to a few epithelial cell types but is found on a variety of carcinoma. |
| <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: EHE-20                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>                | A synthesized peptide derived from human 5T4                                                                                                                                                                                                                   |
| <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.                                                                                                                     |

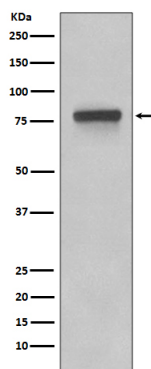
## Protein Information

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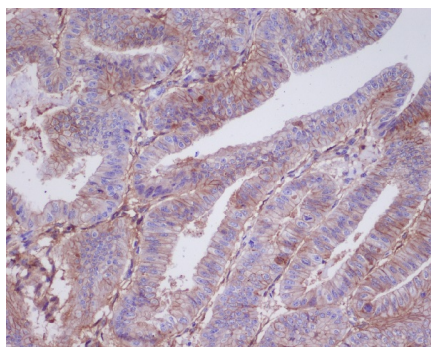
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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | TPBG                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>          | 5T4                                                                                                                                                                                                                                                           |
| <b>Function</b>          | May function as an inhibitor of Wnt/beta-catenin signaling by indirectly interacting with LRP6 and blocking Wnt3a-dependent LRP6 internalization.                                                                                                             |
| <b>Cellular Location</b> | Cell membrane; Single-pass type I membrane protein                                                                                                                                                                                                            |
| <b>Tissue Location</b>   | Expressed by all types of trophoblasts as early as 9 weeks of development. Specific for trophoblastic cells except for amniotic epithelium. In adult tissues, the expression is limited to a few epithelial cell types but is found on a variety of carcinoma |

## Images

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Western blot analysis of 5T4 expression in Caco-2 cell lysates.



Immunohistochemical analysis of paraffin-embedded human uterine cancer, using 5T4 Antibody.

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