

**5T4 Antibody**  
Rabbit mAb  
Catalog # AP90363

## Specification

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### 5T4 Antibody - Product Information

Application	WB, IP
Primary Accession	<a href="#">O13641</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
5T4; 5T4AG; M6P1; TPBG; 5T4 oncofetal antigen;Trophoblast glycoprotein;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	46032 Da

### 5T4 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human 5T4</b>
Description	<b>5T4 is a 72 kDa transmembrane glycoprotein that exhibits restricted expression in human and mouse adult tissues, is upregulated on many carcinomas and tumour expression correlates with poorer clinical outcome in ovarian, gastric and colorectal cancers. mES cells lack cell surface expression of the 5T4 antigen, and both protein and mRNA are rapidly upregulated following induction of differentiation. This proteins expression correlates with downregulation of OCT-4 and Tra-1-60.</b>
Storage Condition and Buffer	<b>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.</b>

### 5T4 Antibody - Protein Information

**Name** TPBG

**Synonyms** 5T4

#### **Function**

May function as an inhibitor of Wnt/beta-catenin signaling by indirectly interacting with LRP6 and

blocking Wnt3a-dependent LRP6 internalization.

#### Cellular Location

Cell membrane; Single-pass type I membrane protein

#### Tissue Location

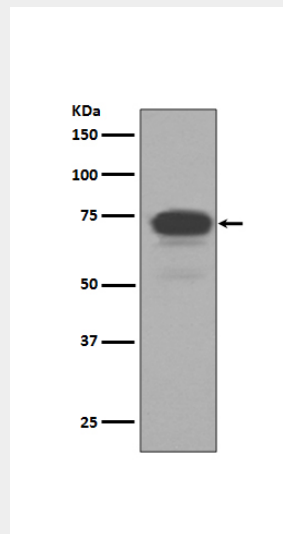
Expressed by all types of trophoblasts as early as 9 weeks of development. Specific for trophoblastic cells except for amniotic epithelium. In adult tissues, the expression is limited to a few epithelial cell types but is found on a variety of carcinoma

### 5T4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### 5T4 Antibody - Images



Western blot analysis of 5T4 expression in MCF-7 cell lysate.