

**TPBG Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17116c**

**Specification**

---

**TPBG Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q13641](#)

**TPBG Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 7162

**Other Names**

Trophoblast glycoprotein, 5T4 oncofetal antigen, 5T4 oncofetal trophoblast glycoprotein, 5T4 oncotrophoblast glycoprotein, M6P1, Wnt-activated inhibitory factor 1, WAIF1, TPBG, 5T4

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TPBG Antibody (Center) Blocking Peptide - 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

**TPBG Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TPBG Antibody (Center) Blocking Peptide - Images**

#### **TPBG Antibody (Center) Blocking Peptide - Background**

This gene encodes a leucine-rich transmembraneglycoprotein that may be involved in cell adhesion. The encodedprotein is an oncofetal antigen that is specific to trophoblastcells. In adults this protein is highly expressed in many tumorcells and is associated with poor clinical outcome in numerouscancers. Alternate splicing in the 5' UTR results in multipletranscript variants that encode the same protein. [provided byRefSeq].

#### **TPBG Antibody (Center) Blocking Peptide - References**

Elkord, E., et al. J. Immunother. 31(9):820-829(2008)Shingler, W.H., et al. Int. Immunol. 20(8):1057-1066(2008)Okazaki, S., et al. Obstet Gynecol 110(5):1130-1136(2007)Ward, C.M., et al. Exp. Cell Res. 312(10):1713-1726(2006)Mulryan, K., et al. Mol. Cancer Ther. 1(12):1129-1137(2002)