

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

TPBG Antibody (Center) Blocking Peptide - Product InformationPrimary 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)