

# Recombinant Monoclonal Anti-TPBG Antibody, Rabbit (P1B10)

Catalog # HGS-M2717



## Background

Recombinant Monoclonal Anti-TPBG Antibody, Rabbit (P1B10) is a TPBG primary antibody for IHC application. TPBG is a leucine-rich transmembrane glycoprotein that is specific to trophoblast cells and is associated with cell adhesion. It is an oncofetal antigen that is highly expressed in many tumor cells in adults. TPBG protein localizes to the plasma membrane, cell surface, nucleoplasm, and axon terminus, and its expression is high in the endocrine system and respiratory system, with additional high expression in the proximal digestive tract. Clinically, TPBG is associated with poor outcome in numerous cancers, such as non-small cell lung cancer, breast cancer, colorectal cancer, cervical cancer, gastric cancer, kidney cancer so on.

## Product Specifications

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| Host Species      | Rabbit                                                                 |
| Isotype           | Rabbit IgG, Rabbit Kappa                                               |
| Clone             | P1B10                                                                  |
| Application       | IHC-P                                                                  |
| Dilution Ratio    | 1: 200 - 1: 1000                                                       |
| Form              | Liquid                                                                 |
| Clonality         | Monoclonal                                                             |
| Reactivity        | Human                                                                  |
| Synonyms          | 5T4, WAIF1                                                             |
| Concentration     | 0.9~1.1 mg/ml                                                          |
| Specificity       | React with TPBG protein on the membrane of target cell/tissue          |
| Purification Tech | Fc-Tag                                                                 |
| Preservation      | PBS, 11% Trehalose, 40% Glycerol, 0.03% Proclin 300, 0.05% BSA (pH7.3) |

## Experiment Protocol

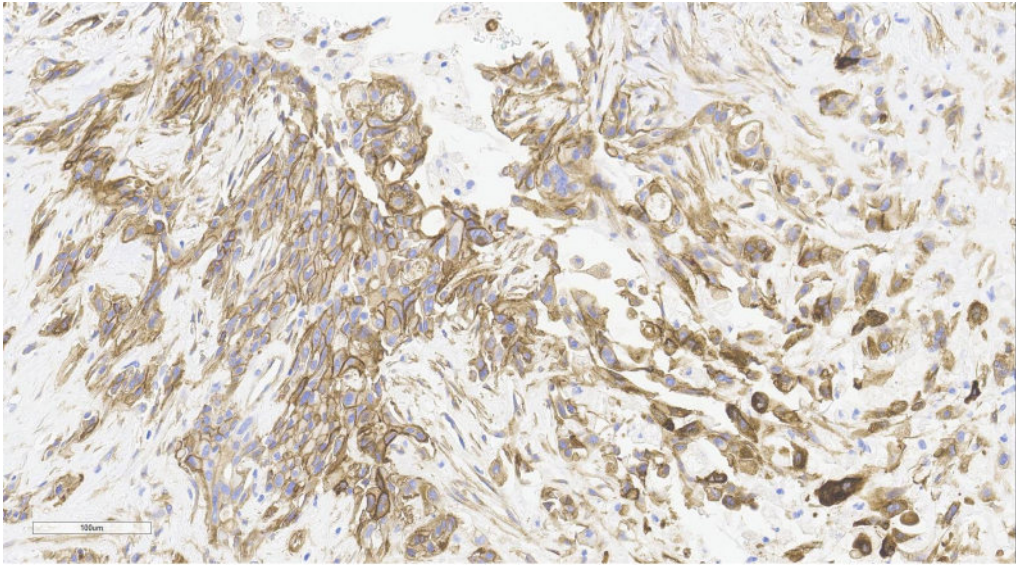
### Storage

Shipped at 4°C, Blue Ice. Store at +4°C for short term (1-2 weeks). Store at -20°C for long term. Avoid freeze / thaw cycle. Upon delivery aliquot. The shelf life is 30 days from the date of opening.

## ACRO Quality Management System

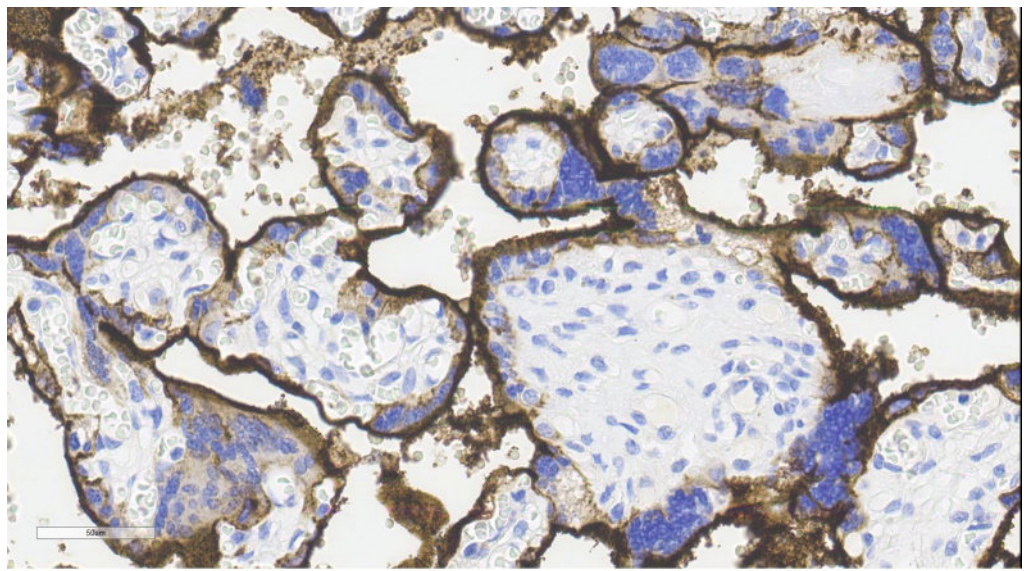
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## Sample Staining Data



Recombinant Monoclonal Anti-TPBG Antibody, Rabbit (P1B10) - Immunohistochemistry (FFPE Sections)  
Human Pancreatic Cancer, 20X

**Immunohistochemical analysis of paraffin embedded human pancreatic cancer labelled with HGS-M2717 at 1/400 dilution.**  
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with LEICA BOND IHC staining protocol.



Recombinant Monoclonal Anti-TPBG Antibody, Rabbit (P1B10) - Immunohistochemistry (FFPE Sections)  
Human Placenta Tissue, 20X

**Immunohistochemical analysis of paraffin embedded human placenta tissue labelled with HGS-M2717 at 1/400 dilution.**  
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with LEICA BOND IHC staining protocol.



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