

**Anti-TPBG Reference Antibody (ASN004)**  
**Recombinant Antibody**  
**Catalog # APR10591****Specification**

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**Anti-TPBG Reference Antibody (ASN004) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">O13641</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	106.7 KDa

**Anti-TPBG Reference Antibody (ASN004) - Additional Information****Target/Specificity**  
TPBG**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.**Conjugation**  
Unconjugated**Expression system**  
CHO Cell**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Storage**  
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-TPBG Reference Antibody (ASN004) - 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

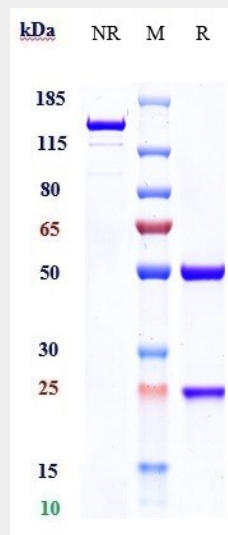
Expressed by all types of trophoblasts as early as 9 weeks of development. Specific for trophoblastic cells except for amniotic epithelium. In adult tissues, the expression is limited to a few epithelial cell types but is found on a variety of carcinoma

### Anti-TPBG Reference Antibody (ASN004) - Protocols

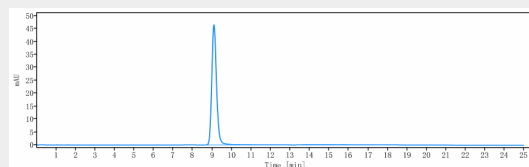
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-TPBG Reference Antibody (ASN004) - Images



Anti-TPBG Reference Antibody (ASN004) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-TPBG Reference Antibody (ASN004) is more than 95% ,determined by SEC-HPLC.