bs-12348R **[Primary Antibody]**

5T4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7162 **SWISS:** Q13641

Target: 5T4

Immunogen: KLH conjugated synthetic peptide derived from human TPBG/5T4: 31-100/420. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: TPBG is a 420 amino acid single-pass type I membrane protein expressed by all types of trophoblasts as early as 9 weeks of development. TPBG contains an N-terminal putative signal sequence, a 310-residue extracellular region, a membrane anchorage domain and a 44-amino acid cytoplasmic tail with a potential phosphorylation site. The extracellular region has seven potential N-glycosylation sites and seven leucine-rich repeats, which are located in two regions separated by a hydrophilic stretch. Suggested to be involved in cell adhesion, TPBG may also be associated with tumor growth and progression.

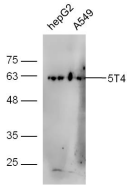
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Cow, Dog)

Predicted MW.: 43 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: HepG2 Cell (Human) Lysate at 30 ug
A549 Cell (Human) Lysate at 30 ug Primary:
Anti-5T4 (bs-12348R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD
Observed band size: 63 kD