

**bs-12348R****[ Primary Antibody ]****5T4 Rabbit pAb****Bioss**  
**ANTIBODIES**

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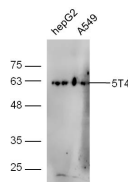
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 7162	<b>SWISS:</b> Q13641	
<b>Target:</b> 5T4		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human TPBG/5T4: 31-100/420.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Cow, Dog)
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 43 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cell membrane
<b>Background:</b> 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.		

**— 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