

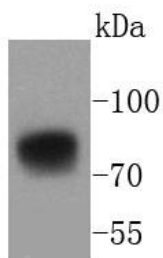
## Anti-5T4/TPBG Antibody (2E446)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 72 kDa.
Clone:	2E446
Purification:	ProA affinity purified

## Applications

Verified Activity: 1. Western blot analysis of 5T4 on MCF-7 cells lysates using anti-5T4 antibody at 1/1,000 dilution.



Application:	IP,WB
Recommended	WB: 1:1000-5000

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.  
Shipping: Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q13641
Synonyms:	5T4;WAIF1;TPBG;M6P1;5T4AG

## Research Background

TPBG (trophoblast glycoprotein), also known as 5T4, M6P1 or 5T4AG, 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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