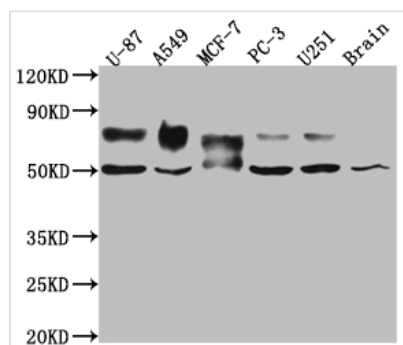




TPBG Recombinant Monoclonal Antibody

Product Code	CSB-RA902876A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q13641
Immunogen	A synthesized peptide derived from human 5T4
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
Relevance	May function as an inhibitor of Wnt/beta-catenin signaling by indirectly interacting with LRP6 and blocking Wnt3a-dependent LRP6 internalization.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer; Developmental biology; Immunology; Stem cells
Gene Names	TPBG
Clone No.	6E9

Image



Western Blot

Positive WB detected in: U-87 whole cell lysate, A549 whole cell lysate, MCF-7 whole cell lysate, PC-3 whole cell lysate, U-251 whole cell lysate, Mouse Brain whole cell lysate

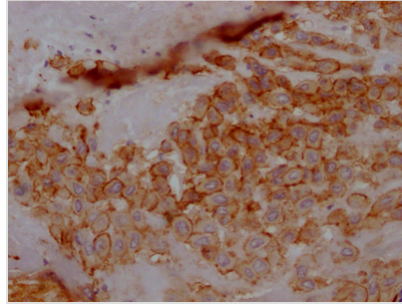
All lanes: 5T4 antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 47 kDa

Observed band size: 50, 80 kDa



IHC image of CSB-RA902876A0HU diluted at 1:100 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

The TPBG recombinant monoclonal antibody is a highly specific anti-TPBG antibody. This TPBG antibody was produced by inserting the DNA sequence encoding the TPBG monoclonal antibody into plasmids and then transfecting the plasmids into cell lines for expression. Its isotype is identical to rabbit IgG. This TPBG antibody detects the TPBG protein in human and mouse samples and can be used in ELISA, WB, and IHC.

TPBG, an oncofetal antigen, is low expressed in normal tissues but upregulated in a variety of human cancers. High expression of TPBG usually indicates a poor clinical outcome. Jeong-Eun Yoo et. al has found that TPBG is an efficient sorting marker for ventral mesencephalic dopaminergic precursors originated from human pluripotent stem cells.