

ARG41790 anti-TPBG / 5T4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TPBG / 5T4
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TPBG / 5T4
Species	Human
Immunogen	Synthetic peptide of Human TPBG / 5T4.
Conjugation	Un-conjugated
Alternate Names	5T4 oncofetal trophoblast glycoprotein; WAIF1; 5T4; Trophoblast glycoprotein; 5T4AG; 5T4 oncofetal antigen; M6P1; 5T4 oncotrophoblast glycoprotein; Wnt-activated inhibitory factor 1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Caco-2	
Observed Size	~ 76 kDa	

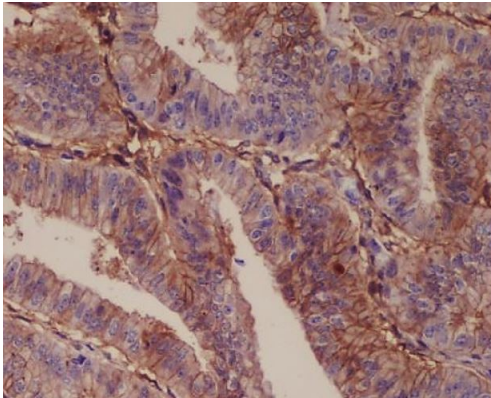
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

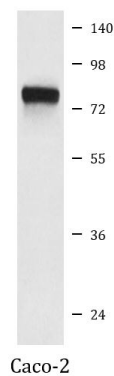
Gene Symbol	TPBG
Gene Full Name	trophoblast glycoprotein
Background	This gene encodes a leucine-rich transmembrane glycoprotein that may be involved in cell adhesion. The encoded protein is an oncofetal antigen that is specific to trophoblast cells. In adults this protein is highly expressed in many tumor cells and is associated with poor clinical outcome in numerous cancers. Alternate splicing in the 5' UTR results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct 2009]
Function	May function as an inhibitor of Wnt/beta-catenin signaling by indirectly interacting with LRP6 and blocking Wnt3a-dependent LRP6 internalization. [UniProt]
Calculated Mw	46 kDa
PTM	Highly glycosylated. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG41790 anti-TPBG / 5T4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human uters cancer tissue stained with ARG41790 anti-TPBG / 5T4 antibody.



ARG41790 anti-TPBG / 5T4 antibody WB image

Western blot: Caco-2 cell lysate stained with ARG41790 anti-TPBG / 5T4 antibody.