

For Research Use Only

TPBG Polyclonal antibody

Catalog Number: 29394-1-AP

1 Publications



Basic Information

Catalog Number:

29394-1-AP

Size:

150ul, Concentration: 1100 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30019

GenBank Accession Number:

NM_006670

GeneID (NCBI):

7162

UNIPROT ID:

Q13641

Full Name:

trophoblast glycoprotein

Calculated MW:

46 kDa

Observed MW:

72-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

Human, rat, mouse

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293T cells, MCF-7 cells, mouse brain tissue, rat brain tissue

IHC : mouse eye tissue,

Background Information

Trophoblast glycoprotein (TPBG), also termed 5T4, is a 72 kDa transmembrane glycoprotein and an extensively investigated oncofetal antigen, which is limited in normal adult tissues, but highly expressed in various types of cancer in human. TPBG is a novel PKCa-dependent phosphoprotein in retinal rod bipolar cells (RBCs). (PMID: 18097562, PMID: 31255707)

Notable Publications

Author	Pubmed ID	Journal	Application
Jianlong Wang	35733512	Cancer Manag Res	IHC

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

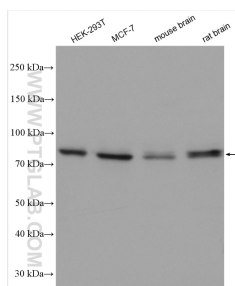
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

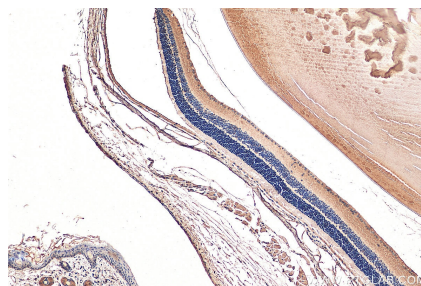
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29394-1-AP (TPBG antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 29394-1-AP (TPBG antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).