

For Research Use Only

TPBG Polyclonal antibody

Catalog Number: 29394-1-AP

2 Publications



Basic Information

Catalog Number:

29394-1-AP

Concentration:

1100 µg/ml

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:

WB, 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
Lianlei Yang	39823250	J Cell Mol Med	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

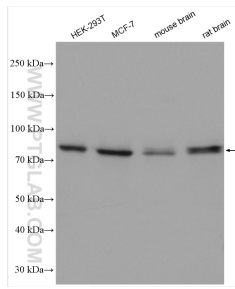
T: 4006900926

E: Proteintech-CN@ptglab.com

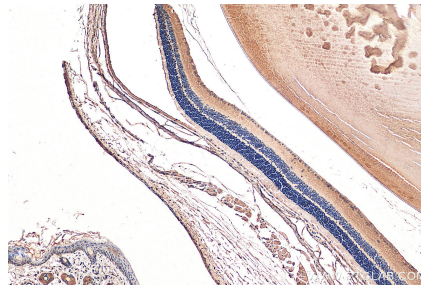
W: ptgcn.com

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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).