

For Research Use Only

TPBG Polyclonal antibody

Catalog Number: 29394-1-AP **1 Publications**



Basic Information

Catalog Number: 29394-1-AP	GenBank Accession Number: NM_006670	Purification Method: Antigen affinity purification
Size: 1100 µg/ml	GeneID (NCBI): 7162	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q13641	
Isotype: IgG	Full Name: trophoblast glycoprotein	
Immunogen Catalog Number: AG30019	Calculated MW: 46 kDa	
	Observed MW: 72-80 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HEK-293T cells, MCF-7 cells, mouse brain tissue, rat brain tissue IHC : mouse eye tissue,
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	

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

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

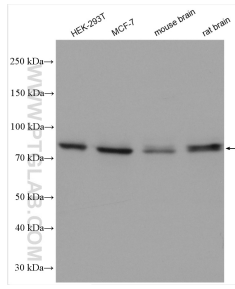
T: 4006900926

E: Proteintech-CN@ptglab.com

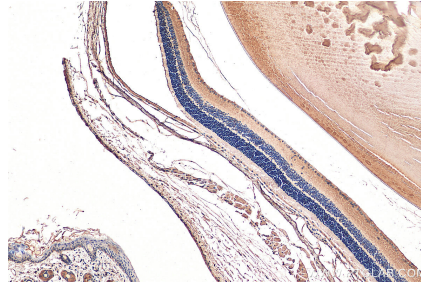
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Selected Validation Data



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).