TPBG Polyclonal antibody

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

Basic Information

Catalog Number:
29394-1-AP

Size:
150ul , Concentration: 1100 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG30019

GenBank Accession Number:
NM_006670

GeneID (NCBI):
7162

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:
IHC, WB, 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

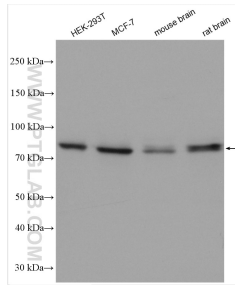| Author	Pubmed ID	Journal	Application
Jianlong Wang	35733512	Cancer Manag Res	IHC

Storage

Storage:
Store at -20℃.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage
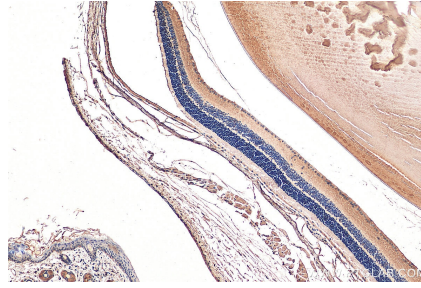
*** 20ul sizes contain 0.1% BSA

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).