

For Research Use Only

TBRG4 Polyclonal antibody

Catalog Number: 16245-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

16245-1-AP

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9176

GenBank Accession Number:

BC017235

GeneID (NCBI):

9238

UNIPROT ID:

Q969Z0

Full Name:

transforming growth factor beta
regulator 4

Calculated MW:

631 aa, 71 kDa

Observed MW:

60 kDa, 71 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:100-1:400

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, HITS-CLIP

Species Specificity:

human, mouse, rat

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 : HepG2 cells, HeLa cells, human liver tissue,
mouse ovary tissue

IP : HepG2 cells,

IHC : human liver cancer tissue,

Background Information

TBRG4 is also named as CPR2(Cell cycle progression restoration protein 2), FASTKD4(FAST kinase domain-containing protein 4), KIAA0948 and belongs to the FAST kinase family. This protein contains multiple putative leucine zipper domains characteristic of transcription factors and it may play a role in cell cycle progression(PMID:9383053). RT-PCR ELISA detected moderate expression in ovary, and little to no expression in all other tissues and specific brain regions examined(PMID:10231032).TBRG4 has an mature form with MW of 60 kDa produced by transit peptide missing.

Notable Publications

Author	Pubmed ID	Journal	Application
Akira Ohkubo	34748562	PLoS Genet	WB,HITS-CLIP
Claudio Asencio	30035255	Life Sci Alliance	WB
Xuan Yang	39727163	Nucleic Acids Res	WB,IP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

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:

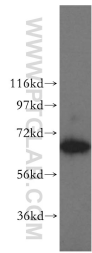
T: 4006900926

E: Proteintech-CN@ptglab.com

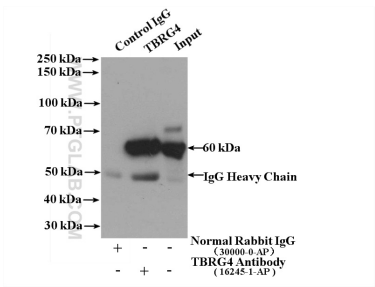
W: ptgcn.com

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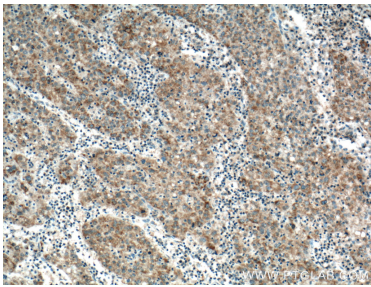
Selected Validation Data



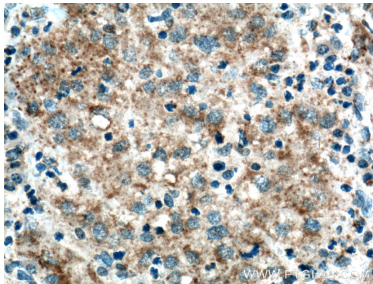
HepG2 cells were subjected to SDS PAGE followed by western blot with 16245-1-AP (TBRG4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



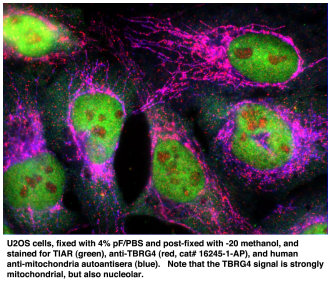
IP result of anti-TBRG4 (IP:16245-1-AP, 4ug; Detection:16245-1-AP 1:500) with HepG2 cells lysate 1600ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16245-1-AP (TBRG4 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16245-1-AP (TBRG4 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IF result of anti-TBRG4 (16245-1-AP) with U2OS cells.