

For Research Use Only

TTC7B Polyclonal antibody

Catalog Number: 25713-1-AP



Basic Information

Catalog Number:

25713-1-AP

Size:

150ul , Concentration: 500 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22388

GenBank Accession Number:

BC153122

GeneID (NCBI):

145567

UNIPROT ID:

Q86TV6

Full Name:

tetratricopeptide repeat domain 7B

Calculated MW:

843 aa, 94 kDa

Observed MW:

50-53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

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

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human, mouse

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 : mouse brain tissue,

IP : K-562 cells,

IHC : mouse liver tissue,

Background Information

TTC7B (Tetratricopeptide Repeat Domain 7B) is a protein-coding gene belonging to the tetratricopeptide repeat (TPR) family, which plays critical roles in cellular signaling, membrane dynamics, and disease pathogenesis. TTC7B is associated with focal adhesion (FA) disassembly and cell migration, promoting tumor invasion and metastasis. Its expression is tied to FA-related pathways like the PINCH-ILK-PARVIN complex (PMID: 37990988).

Storage

Storage:

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

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

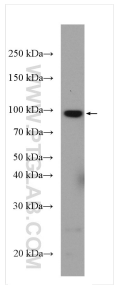
For technical support and original validation data for this product please contact:

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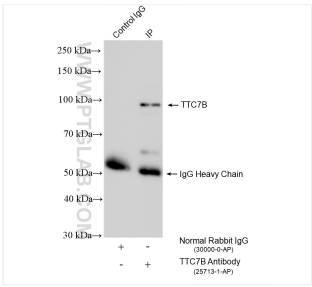
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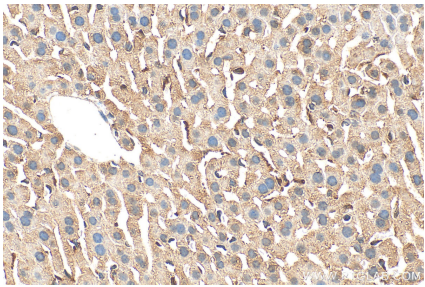
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 25713-1-AP (TTC7B antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-TTC7B (IP:25713-1-AP, 4ug; Detection:25713-1-AP 1:600) with K-562 cells lysate 1640 ug.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 25713-1-AP (TTC7B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).