

For Research Use Only

TMEM70 Polyclonal antibody

Catalog Number: 20388-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

20388-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14226

GenBank Accession Number:

BC002748

GeneID (NCBI):

54968

UNIPROT ID:

Q9BUB7

Full Name:

transmembrane protein 70

Calculated MW:

260 aa, 29 kDa

Observed MW:

18 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:

WB

Species Specificity:

human, 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 : A2780 cells, Jurkat cells

IHC : human liver tissue,

Background Information

TMEM70 belongs to the TMEM70 family. It is involved in biogenesis of mitochondrial ATP synthase. Defects in TMEM70 are a cause of mitochondrial encephalocardiomyopathy neonatal due to ATP synthase deficiency (MT-ATPSD). A publication(PMID:21147908) identifies that TMEM70 gene defect as a pan-ethnic disorder and further redefines it as the most common cause of nuclear-origin ATP synthase deficiency.

Notable Publications

Author	Pubmed ID	Journal	Application
Uwe Richter	30683687	Life Sci Alliance	WB
Hana Kratochvílová	24576557	Mitochondrion	WB
Daria Diodato	24740313	JIMD Rep	WB

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:

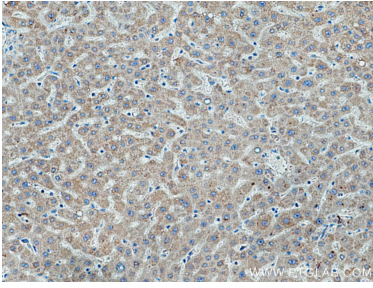
T: 4006900926

E: Proteintech-CN@ptglab.com

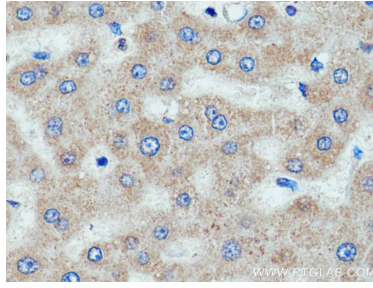
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

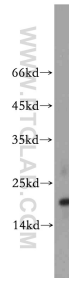
Selected Validation Data



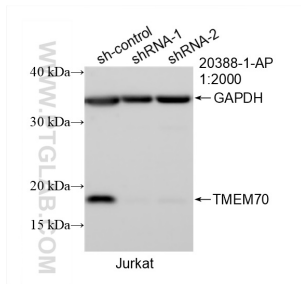
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 20388-1-AP (TMEM70 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 20388-1-AP (TMEM70 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



A2780 cells were subjected to SDS PAGE followed by western blot with 20388-1-AP (TMEM70 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



WB result of TMEM70 antibody (20388-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM70 transfected Jurkat cells.