

For Research Use Only

TMCO3 Polyclonal antibody

Catalog Number: 31488-1-AP



Basic Information

Catalog Number:

31488-1-AP

Size:

150ul , Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35012

GenBank Accession Number:

BC068515

GeneID (NCBI):

55002

UNIPROT ID:

Q6UWJ1

Full Name:

transmembrane and coiled-coil domains 3

Calculated MW:

75 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

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

Applications

Tested Applications:

IP, ELISA

Species Specificity:

human

Positive Controls:

IP : HepG2 cells, HuH-7 cells

Background Information

TMCO3, also known as transmembrane and coiled-coil domains 3 or C13orf11, is a protein-coding gene with functional annotation of probable Na⁺/H⁺ antiporter. It belongs to the monovalent cation:proton antiporter-2 (CPA2) family according to the Transporter Classification Database (TCDB) (PMID: 33170213). Most CPA2 family members have similar functions and are involved in ion transport (K⁺, Na⁺, and H⁺) in bacteria, archaea, insects, and plants. Upregulated TMCO3 could act as an oncogenic mediator and promote sorafenib resistance in HCC, providing a potential therapeutic target for HCC treatment (PMID: 36304514).

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**

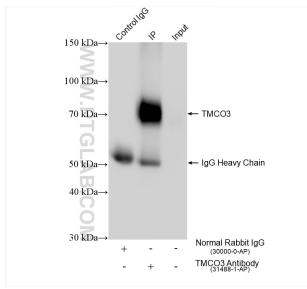
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

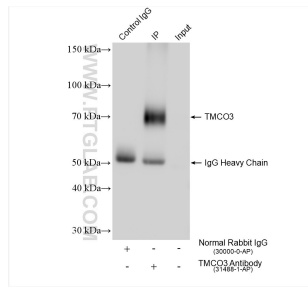
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



IP result of anti-TMCO3 (IP:31488-1-AP, 4ug;
Detection:31488-1-AP 1:1000) with HuH-7 cells
lysate 880 ug.



IP result of anti-TMCO3 (IP:31488-1-AP, 4ug;
Detection:31488-1-AP 1:1000) with HepG2 cells
lysate 1800 ug.