

For Research Use Only

TTC19 Polyclonal antibody

Catalog Number: 20875-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

20875-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 387 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14974

GenBank Accession Number:

BC011698

GeneID (NCBI):

54902

UNIPROT ID:

Q6DKK2

Full Name:

tetratricopeptide repeat domain 19

Calculated MW:

501 aa, 56 kDa

Observed MW:

32-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

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 : mouse heart tissue, HeLa cells, rat heart tissue

IHC : human breast cancer tissue, mouse heart tissue

Background Information

TTC19 is a subunit of mitochondrial respiratory chain complex III and is proposed to preserve the structural and functional integrity of complex III. Loss-of-function mutations in TTC19 have been found in patients with complex III deficiency associated with heterogeneous neurological syndromes. The precursor TTC19 was detected as a 43 kDa cytoplasmic protein, while the mature TTC19 with the mitochondrial targeting sequence cleaved was observed as 35 kDa by SDS-PAGE. (PMID: 21278747)

Notable Publications

Author	Pubmed ID	Journal	Application
Huijuan Dai	37928256	Int J Biol Sci	WB, IHC
Aojia Zhuang	37158593	Elife	IHC

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

*** 20ul sizes contain 0.1% BSA

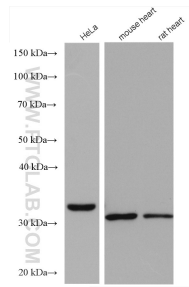
For technical support and original validation data for this product please contact:

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

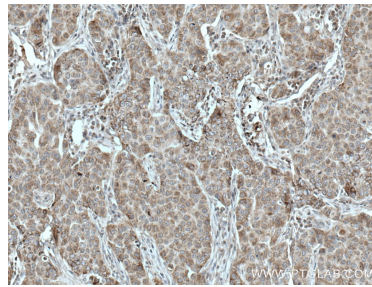
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20875-1-AP (TTC19 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20875-1-AP (TTC19 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).