

TTC19 Polyclonal antibody

Catalog Number: 20875-1-AP

2 Publications

Basic Information

Catalog Number:

20875-1-AP

Size:

550 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14974

GenBank Accession Number:

BC011698

GeneID (NCBI):

54902

UNIPROT ID:

Q6DKK2

Full Name:

tetra-tryptophan 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:

IHC, WB, 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

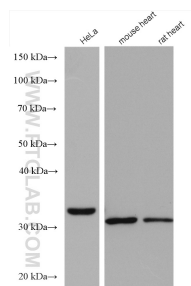
For technical support and original validation data for this product please contact:

T: 4006900926

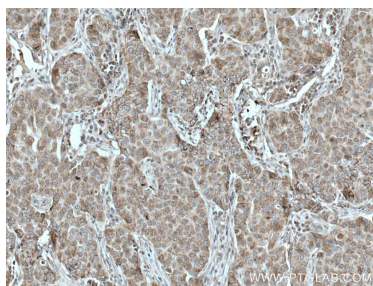
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Selected Validation Data



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)).