

# TTC19 Polyclonal antibody

Catalog Number: 20875-1-AP

Featured Product

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:**

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

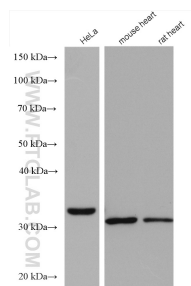
For technical support and original validation data for this product please contact:

T: 4006900926

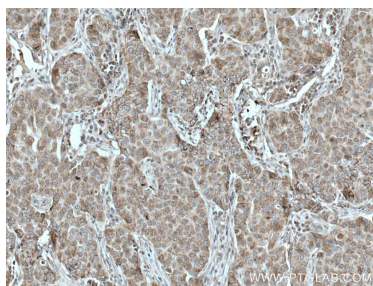
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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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)).