

For Research Use Only

# TTC19 Polyclonal antibody

Catalog Number: 20875-1-AP

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 20875-1-AP	<b>GenBank Accession Number:</b> BC011698	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 550 ug/ml by Nanodrop and 387 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 54902	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6DKK2	
<b>Isotype:</b> IgG	<b>Full Name:</b> tetra-tricopeptide repeat domain 19	
<b>Immunogen Catalog Number:</b> AG14974	<b>Calculated MW:</b> 501 aa, 56 kDa	
	<b>Observed MW:</b> 32-35 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : mouse heart tissue, HeLa cells, rat heart tissue IHC : human breast cancer tissue, mouse heart tissue
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

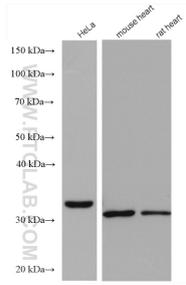
For technical support and original validation data for this product please contact:

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

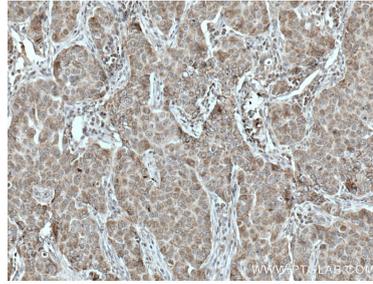
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## Selected Validation Data



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).