

For Research Use Only

TTC19 Polyclonal antibody

Catalog Number: 20875-1-AP **2 Publications**



Basic Information

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

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB : mouse heart tissue, HeLa cells, rat heart tissue
Species Specificity: human, mouse, rat	IHC : human breast cancer tissue, mouse heart tissue
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	

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

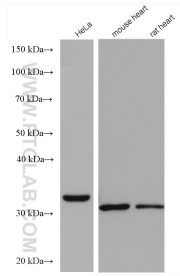
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

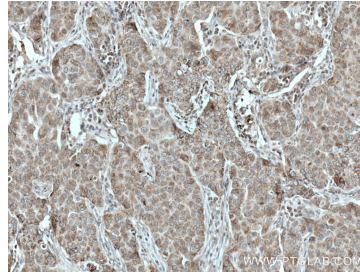
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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).