

For Research Use Only

# AIFM3 Polyclonal antibody

Catalog Number:14778-1-AP



## Basic Information

<b>Catalog Number:</b> 14778-1-AP	<b>GenBank Accession Number:</b> BC032485	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 150209	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96NN9	
<b>Isotype:</b> IgG	<b>Full Name:</b> apoptosis-inducing factor, mitochondrion-associated, 3	
<b>Immunogen Catalog Number:</b> AG6278	<b>Calculated MW:</b> 67 kDa	
	<b>Observed MW:</b> 67 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse, rat

**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 : HEK-293 cells, U-87 MG cells

IHC : human ovary tumor tissue, human colon cancer tissue

## Background Information

Apoptosis-inducing factor, mitochondrion-associated 3 (AIFM3) is a mitochondrial protein/flavoenzyme and its gene is located on chromosome 22q11.21. Mature human AIFM3 protein consists of 598 amino acids with a molecular weight of 66 kDa and is predominantly localized in the mitochondria. AIFM3 is widely expressed in many tissues, and breast cancer tissues and cholangiocarcinoma tissue (PMID: 32664187).

## 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

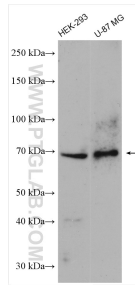
For technical support and original validation data for this product please contact:

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

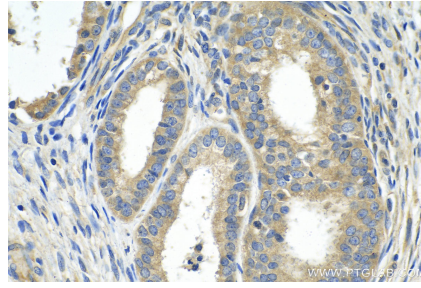
E: proteintech@ptglab.com  
W: ptglab.com

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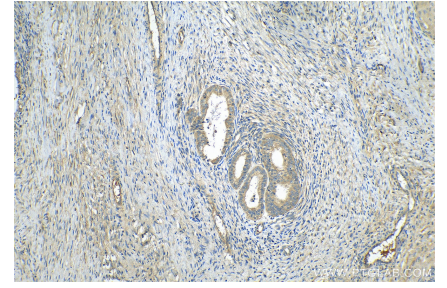
## Selected Validation Data



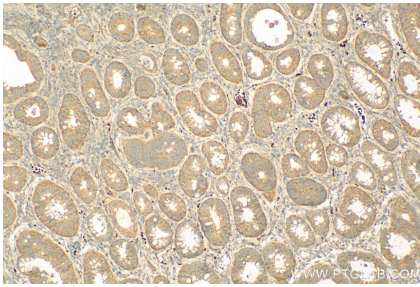
Various lysates were subjected to SDS PAGE followed by western blot with 14778-1-AP (AIFM3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



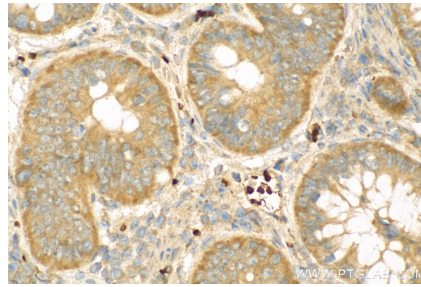
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 14778-1-AP (AIFM3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 14778-1-AP (AIFM3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded Colorectal cancer slide using 14778-1-AP (AIFM3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded Colorectal cancer slide using 14778-1-AP (AIFM3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).