

For Research Use Only

TFAM Monoclonal antibody, PBS Only

Catalog Number: 68557-5-PBS



Basic Information

Catalog Number:	68557-5-PBS	GenBank Accession Number:	BC126366	Purification Method:	Protein G purification
Concentration:	1 mg/ml	GeneID (NCBI):	7019	CloneNo.:	1C8H3
Source:	Mouse	UNIPROT ID:	Q00059		
Isotype:	IgG1	Full Name:	transcription factor A, mitochondrial		
Immunogen Catalog Number:	AG18253	Calculated MW:	246 aa, 29 kDa		
		Observed MW:	25 kDa		

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

TFAM, also named as TCF6L2, MtTF1, TCF6, TCF6L1, TCF6L3, and mtTFA, is a mitochondrial transcription factor that is a key activator of mitochondrial transcription as well as a participant in mitochondrial genome replication. It is involved in mitochondrial transcription regulation. TFAM is required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. It activates transcription by binding immediately upstream of transcriptional start sites. TFAM is able to unwind and bend DNA.

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

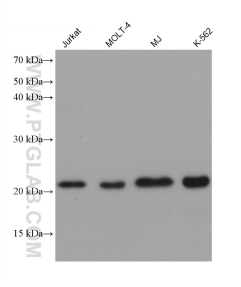
T: 4006900926

E: Proteintech-CN@ptglab.com

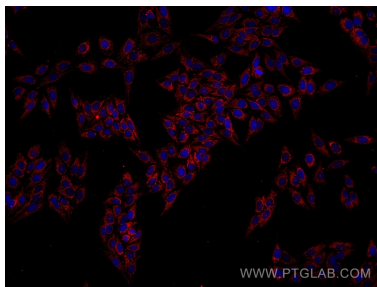
W: ptgcn.com

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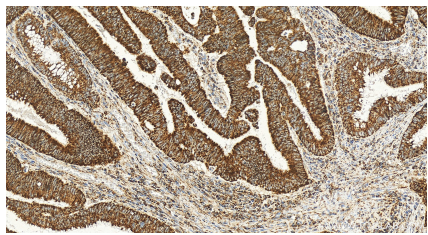
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68557-5-Ig (TFAM antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68557-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TFAM antibody (68557-5-Ig, Clone: 1C8H3) at dilution of 1:500 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 68557-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 68557-5-Ig (TFAM antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68557-5-PBS in a different storage buffer formulation.