

For Research Use Only

TUFM Monoclonal antibody, PBS Only



Catalog Number: 67802-1-PBS

Basic Information

Catalog Number: 67802-1-PBS	GenBank Accession Number: BC010041	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7284	CloneNo.: 2A10D2
Source: Mouse	UNIPROT ID: P49411	
Isotype: IgG2a	Full Name: Tu translation elongation factor, mitochondrial	
Immunogen Catalog Number: AG24976	Calculated MW: 50 kDa	
	Observed MW: 48-50 kDa	

Applications

Tested Applications:
WB, IP, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat

Background Information

TUFM, also named as Elongation factor Tu, mitochondrial, is a 452 amino acid protein, which contains 1 tr-type G (guanine nucleotide-binding) domain and belongs to the TRAFAC class translation factor GTPase superfamily. TUFM localizes in the Mitochondrion and promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.

Storage

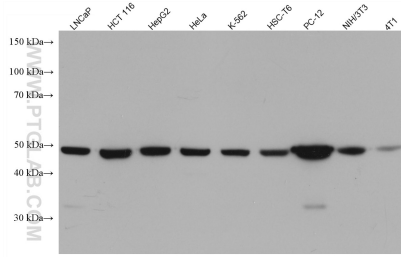
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

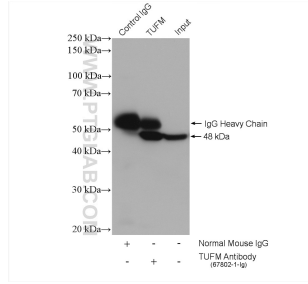
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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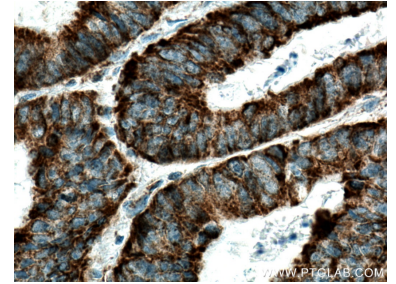
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67802-1-Ig (TUFM antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67802-1-PBS in a different storage buffer formulation.



IP result of anti-TUFM (IP:67802-1-Ig, 5ug; Detection:67802-1-Ig 1:2000) with HepG2 cells lysate 1880 ug. This data was developed using the same antibody clone with 67802-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67802-1-Ig (TUFM antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67802-1-PBS in a different storage buffer formulation.