

For Research Use Only

FTSJD2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87843-1-PBS



Basic Information

Catalog Number: 87843-1-PBS	GenBank Accession Number: BC031890	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 23070	CloneNo.: 253381G2
Isotype: IgG	UNIPROT ID: Q8N1G2	
Immunogen Catalog Number: AG26722	Full Name: FtsJ methyltransferase domain containing 2	
	Calculated MW: 835 aa, 95 kDa	
	Observed MW: 96-100 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Cap1 2' -O-methylation is catalyzed by cap methyltransferase 1 (CMTR1). CMTR1, also called IFN-stimulated gene 95 kDa protein (ISG95) or FTSJD2, is elevated by a viral infection and required to promote IFN-mediated induction of ISGs and the antiviral response. High CMTR1 expression is associated with poor prognosis in patients with CRC (PMID: 37024465). CMTr1 binds ATP-dependent RNA DHX15 helicase and that this interaction, mediated by the G-patch domain of CMTr1, has an advantageous effect on CMTr1 activity towards highly structured RNA substrates (PMID: 30397098). Human CMTR1 is a 95 kDa nuclear protein that has multiple domains, consisting of a G-patch domain, a RrmJ/FtsJ methyltransferase domain, a non-functional cap guanylyltransferase-like domain and a WW domain (PMID: 30312682).

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:

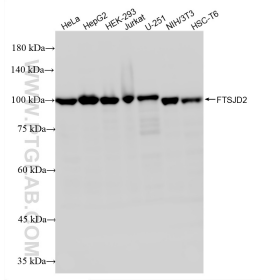
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87843-1-RR (FTSJD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87843-1-PBS in a different storage buffer formulation.