

For Research Use Only

TARS Monoclonal antibody, PBS Only



Catalog Number: 67828-1-PBS

Basic Information

Catalog Number: 67828-1-PBS	GenBank Accession Number: BC000517	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 6897	CloneNo.: 1A11F10
Source: Mouse	UNIPROT ID: P26639	
Isotype: IgG2b	Full Name: threonyl-tRNA synthetase	
Immunogen Catalog Number: AG6614	Calculated MW: 83 kDa	
	Observed MW: 83-87 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IF

Species Specificity:
Human, mouse, rat

Background Information

TARS (Threonyl-tRNA synthetase), also known as threonine-tRNA ligase or ThrRS, belongs to the aminoacyl-tRNA synthetase family. Aminoacyl-tRNA synthetase (aaRS) catalyzes the specific esterification of an amino acid with the 3'-terminal hydroxyl group of its cognate tRNA. Specificity of aminoacylation catalyzed by aaRSs ensures the accurate translation of the genetic code in the first step of protein synthesis (PMID: 26324710). TARS has some isoforms with the molecular mass of 83, 87 kDa and other MW.

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

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

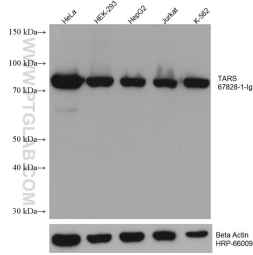
T: 4006900926

E: Proteintech-CN@ptglab.com

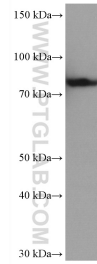
W: ptgcn.com

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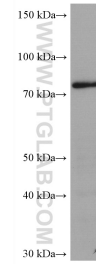
Selected Validation Data



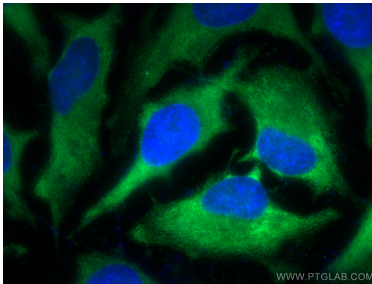
Various lysates were subjected to SDS PAGE followed by western blot with 67828-1-Ig (TARS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 67828-1-PBS in a different storage buffer formulation.



HSC-T6 cells were subjected to SDS PAGE followed by western blot with 67828-1-Ig (TARS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67828-1-PBS in a different storage buffer formulation.



4T1 cells were subjected to SDS PAGE followed by western blot with 67828-1-Ig (TARS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67828-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using TARS antibody (67828-1-Ig, Clone: 1A11F10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67828-1-PBS in a different storage buffer formulation.