

TARS Monoclonal antibody

 Catalog Number: **67828-1-Ig** **1 Publications**

Basic Information

Catalog Number: 67828-1-Ig	GenBank Accession Number: BC000517	Purification Method: Protein A purification
Size: 500 µg/ml	GeneID (NCBI): 6897	CloneNo.: 1A11F10
Source: Mouse	UNIPROT ID: P26639	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:400-1:1600
Isotype: IgG2b	Full Name: threonyl-tRNA synthetase	
Immunogen Catalog Number: AG6614	Calculated MW: 83 kDa Observed MW: 83-87 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HeLa cells, HSC-T6 cells, PC-12 cells, 4T1 cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells
Species Specificity: Human, mouse, rat	IF/ICC : HeLa cells,
Cited Species: human	

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.

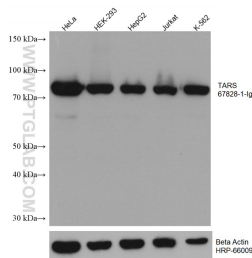
Notable Publications

Author	Pubmed ID	Journal	Application
Ning Xu	35659036	J Hematol Oncol	WB

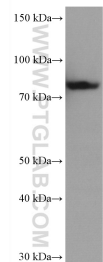
Storage

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

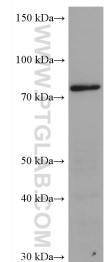
Selected Validation Data



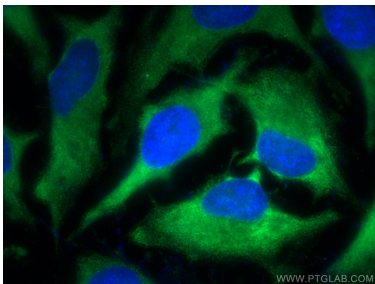
Various lysates were subjected to SDS PAGE followed by western blot with 67828-1-Ig (TARS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



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.



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.



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).