

For Research Use Only

TrpRS Monoclonal antibody, PBS Only



Catalog Number: 67952-1-PBS

Basic Information

Catalog Number: 67952-1-PBS	GenBank Accession Number: BC017489	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7453	CloneNo.: 1C6C3
Source: Mouse	UNIPROT ID: P23381	
Isotype: IgG2b	Full Name: tryptophanyl-tRNA synthetase	
Immunogen Catalog Number: AG31430	Calculated MW: 471 aa, 53 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human, rat, mouse

Background Information

Tryptophanyl-tRNA synthetase (WRS) is a cytosolic amino acyl-tRNA synthetase essential for protein synthesis. Full-length WRS is released during bacterial infection and primes the Toll-like receptor 4 (TLR4)-myeloid differentiation factor 2 (MD2) complex to elicit innate immune responses. Inside the nucleus, WRS stimulates DNA-dependent protein kinase, catalytic subunit (DNA-PKcs), activity via its WHEP domain, leading to the phosphorylation and activation of p53 (39) (PMID:30355684).

Storage

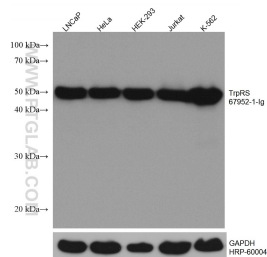
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

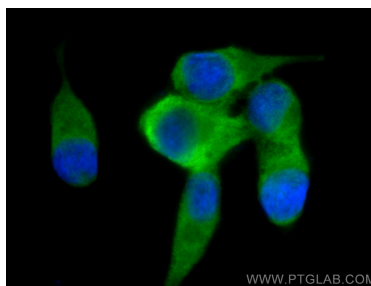
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67952-1-Ig (WARS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67952-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed LNCaP cells using TrpRS antibody (67952-1-Ig, Clone: 1C6C3) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67952-1-PBS in a different storage buffer formulation.