

# TIAR Monoclonal antibody, PBS Only

Catalog Number: 66907-1-PBS

## Basic Information

<b>Catalog Number:</b> 66907-1-PBS	<b>GenBank Accession Number:</b> BC030025	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1mg/ml	<b>GeneID (NCBI):</b> 7073	<b>CloneNo.:</b> 1E8D12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q01085	
<b>Isotype:</b> IgG1	<b>Full Name:</b> TIA1 cytotoxic granule-associated RNA binding protein-like 1	
<b>Immunogen Catalog Number:</b> AG11981	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 39 and 41 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA, IF/ICC, IHC, WB

**Species Specificity:**  
rat, mouse, human

## Background Information

TIAR, also named as TIA 1 related protein, is an RNA-binding protein which is associated with apoptosis. It has been shown that mouse with disrupted TIAR gene show high levels of embryonic lethality. TIAR plays an important role in cytoplasm and nucleus where it can control translation of some specific mRNAs and activate splicing of exons with weak 5-splice sites. 66907-1-Ig detects 39 and 41 kDa bands in SDS-PAGE. Besides, TIAR also has the 28 kDa and 50 kDa proteins for TIAR exists in multiple alternative splicing forms.(PMID: 12533540, 7533298, 22851315, 8176212)

## 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:

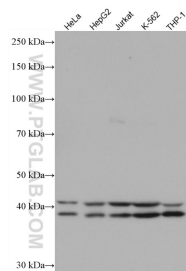
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

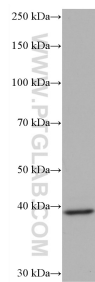
W: [ptgcn.com](http://ptgcn.com)

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

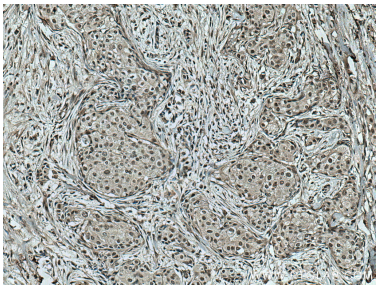
Selected Validation Data



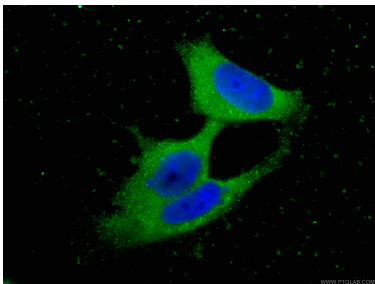
Various lysates were subjected to SDS PAGE followed by western blot with 66907-1-Ig (TIAR antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66907-1-PBS in a different storage buffer formulation.



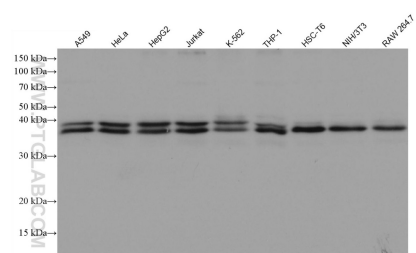
RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 66907-1-Ig (TIAR antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66907-1-PBS in a different storage buffer formulation.



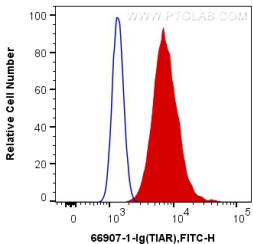
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66907-1-Ig (TIAR antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66907-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 66907-1-Ig (TIAR antibody) at dilution of 1:100. This data was developed using the same antibody clone with 66907-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66907-1-Ig (TIAR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66907-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.2 ug Anti-Human TIAR (66907-1-Ig, Clone:1E8D12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 66907-1-PBS in a different storage buffer formulation.