

For Research Use Only

# TIGAR Recombinant antibody, PBS Only (Capture)

Catalog Number:85052-4-PBS



## Basic Information

<b>Catalog Number:</b> 85052-4-PBS	<b>GenBank Accession Number:</b> BC012340	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 57103	<b>CloneNo.:</b> 242625E7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NQ88	
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 12 open reading frame 5	
<b>Immunogen Catalog Number:</b> AG17532	<b>Calculated MW:</b> 270 aa, 30 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Background Information

The TP53-induced glycolysis and apoptosis regulator (TIGAR), first reported in 2006, is a downstream target gene of p53 and an important factor involved in glycolysis and apoptosis. It is indispensable in metabolism and is involved in metabolic syndrome, including hyperglycemia, insulin resistance, alcoholic fatty liver and tissue ischemia. TIGAR is highly expressed in many cancer cells to promote cell survival.

## 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:

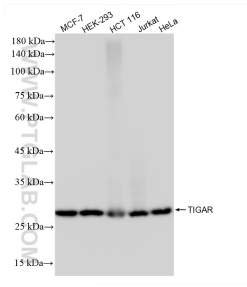
T: 4006900926

E: Proteintech-CN@ptglab.com

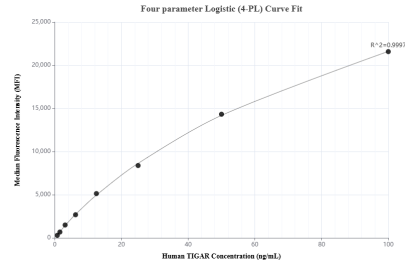
W: ptgcn.com

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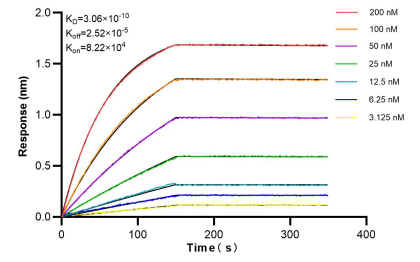
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85052-4-RR (TIGAR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85052-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01803-2, TIGAR Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85052-4-PBS. Detection antibody: 85052-3-PBS. Standard: Ag17532. Range: 0.781-100 ng/mL



Bi-layer interferometry (BLI) kinetic assays of 85052-4-RR against Human TIGAR were performed. The affinity constant is 0.308 nM.