

For Research Use Only

TIGAR Recombinant antibody, PBS Only (Capture)

Catalog Number: 85052-4-PBS



Basic Information

Catalog Number:	85052-4-PBS	GenBank Accession Number:	BC012340	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	57103	CloneNo.:	242625E7
Source:	Rabbit	UNIPROT ID:	Q9NQ88		
Isotype:	IgG	Full Name:	chromosome 12 open reading frame 5		
Immunogen Catalog Number:	AG17532	Calculated MW:	270 aa, 30 kDa		
		Observed MW:	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, pH7.3

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

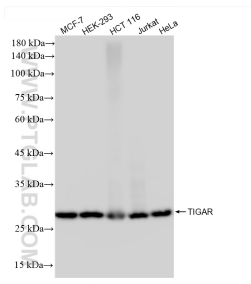
T: 4006900926

E: Proteintech-CN@ptglab.com

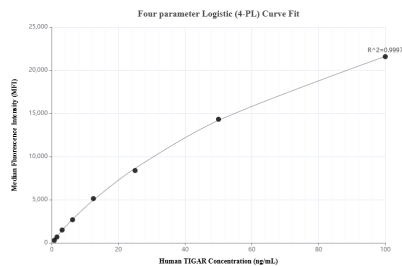
W: ptgcn.com

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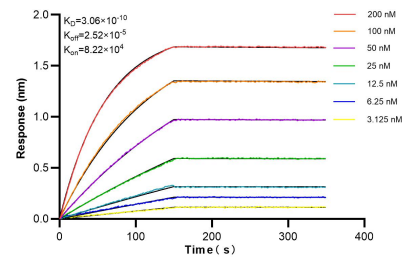
Selected Validation Data



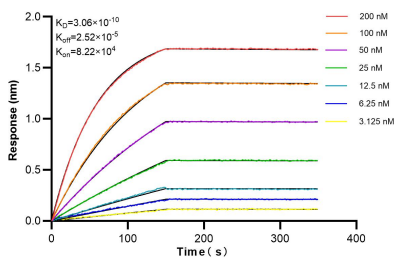
Various lysates were subjected to SDS PAGE followed by western blot with 85052-4-RR (TIGAR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85052-4-PBS in a different storage buffer formulation.



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.



Biolayer interferometry (BLI) kinetic assays of 85052-4-PBS against Human TIGAR were performed. The affinity constant is 0.306 nM.



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