

For Research Use Only

TOX2 Recombinant antibody

Catalog Number: 84304-5-RR



Basic Information

Catalog Number: 84304-5-RR	GenBank Accession Number: BC007636	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 84969	CloneNo.: 241645C11
Source: Rabbit	UNIPROT ID: Q96NM4	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: TOX high mobility group box family member 2	
Immunogen Catalog Number: AG14772	Calculated MW: 488 aa, 52 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB: A549 cells, HepG2 cells, HeLa cells, HEK-293 cells, MCF-7 cells, mouse liver tissue, rat liver tissue

Background Information

TOX2 is a transcription factor belonging to the TOX (thymocyte selection-associated HMG box) family that shares a highly conserved high mobility group DNA-binding domain with the other TOX members. A previous study showed that TOX2 is preferentially expressed in human NK cells among various leukocyte populations and is required for in vitro and in vivo human NK cell differentiation from UCB-derived CD341 hematopoietic stem cells (HSCs) (PMID: 25352127).

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

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

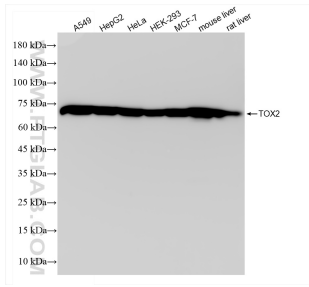
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E: Proteintech-CN@ptglab.com

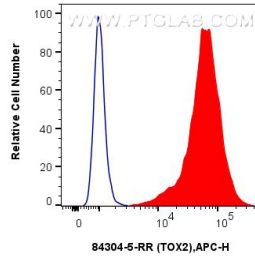
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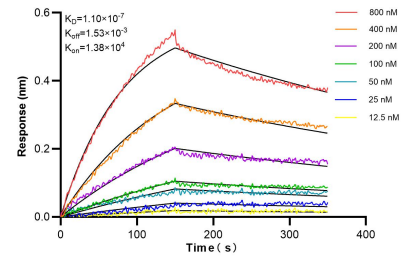
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84304-5-RR (TOX2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 A549 cells were intracellularly stained with 0.25 μ g TOX2 Recombinant antibody (84304-5-RR, Clone:241645C11) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 84304-5-RR against Human TOX2 were performed. The affinity constant is 110 nM.