

For Research Use Only

# TOX2 Recombinant antibody

Catalog Number: 84304-5-RR



## Basic Information

<b>Catalog Number:</b> 84304-5-RR	<b>GenBank Accession Number:</b> BC007636	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 84969	<b>CloneNo.:</b> 241645C11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96NM4	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> TOX high mobility group box family member 2	
<b>Immunogen Catalog Number:</b> AG14772	<b>Calculated MW:</b> 488 aa, 52 kDa	
	<b>Observed MW:</b> 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

\*\*\* 20ul sizes contain 0.1% BSA

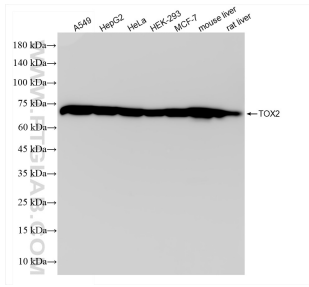
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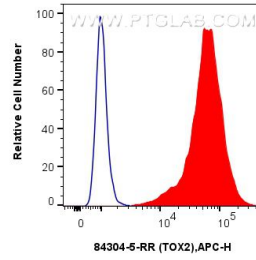
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## Selected Validation Data



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.



1x10<sup>6</sup> A549 cells were intracellularly stained with 0.25 ug TOX2 Recombinant antibody (84304-5-RR, Clone:241645C11) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.