

For Research Use Only

# TOX2 Recombinant antibody, PBS Only

Catalog Number: 84304-5-PBS



## Basic Information

**Catalog Number:**

84304-5-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG14772

**GenBank Accession Number:**

BC007636

**GeneID (NCBI):**

84969

**UNIPROT ID:**

Q96NM4

**Full Name:**

TOX high mobility group box family member 2

**Calculated MW:**

488 aa, 52 kDa

**Observed MW:**

70 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241645C11

## Applications

**Tested Applications:**

WB, FC (Intra), Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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 -80°C.

**Storage Buffer:**

PBS Only

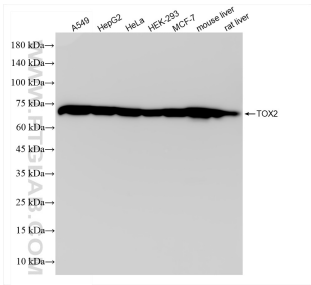
For technical support and original validation data for this product please contact:

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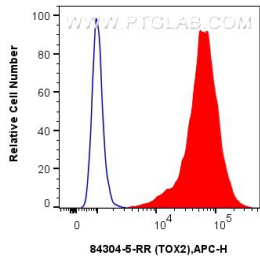
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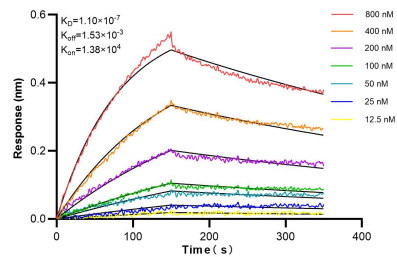
## Selected Validation Data



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. This data was developed using the same antibody clone with 84304-5-PBS in a different storage buffer formulation.



1x10<sup>6</sup> A549 cells were intracellularly stained with 0.25 ug TOX2 Recombinant antibody (84304-5-RR, Clone:241645C.11) 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. This data was developed using the same antibody clone with 84304-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84304-5-RR against Human TOX2 were performed. The affinity constant is 110 nM.