

For Research Use Only

TOX2 Recombinant antibody, PBS Only

Catalog Number: 84304-5-PBS



Basic Information

Catalog Number:

84304-5-PBS

Size:

1 mg/ml

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.

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:

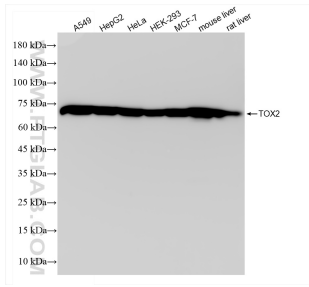
T: 4006900926

E: Proteintech-CN@ptglab.com

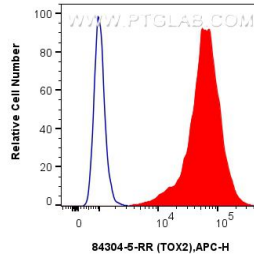
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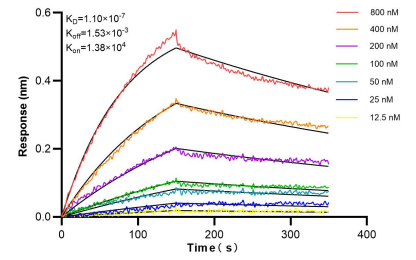
Selected Validation Data



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.



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



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