

For Research Use Only

# TOX2 Recombinant antibody

Catalog Number: 84304-2-RR



## Basic Information

Catalog Number:

84304-2-RR

Size:

1000 µg/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

Purification Method:

Protein A purification

CloneNo.:

241645A11

Recommended Dilutions:

IF/ICC 1:200-1:800

## Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : A549 cells,

## 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:

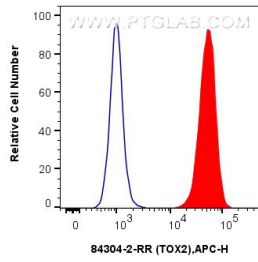
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

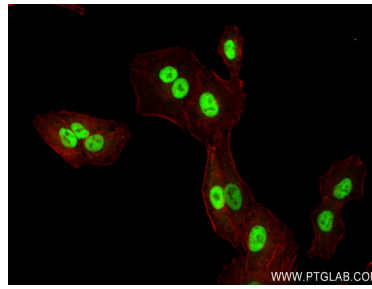
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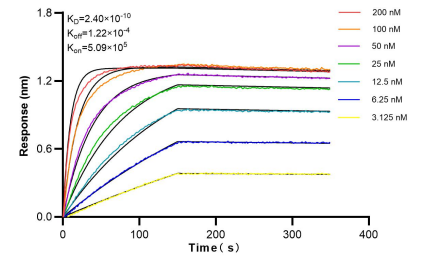
## Selected Validation Data



$1 \times 10^6$  A549 cells were intracellularly stained with 0.25  $\mu$ g Tox2 Recombinant Antibody (84304-2-RR, Clone:241645A11) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using TOX2 antibody (84304-2-RR, Clone: 241645A11) at dilution of 1:400 and CoraLite<sup>®</sup>488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 84304-2-RR against Human TOX2 were performed. The affinity constant is 0.240 nM.