

# TOX2 Monoclonal antibody

Catalog Number: 68590-1-Ig

## Basic Information

Catalog Number:

68590-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG31563

GenBank Accession Number:

NM\_001098797

GeneID (NCBI):

84969

UNIPROT ID:

Q96NM4

Full Name:

TOX high mobility group box family member 2

Calculated MW:

52KD

Observed MW:

70 kDa

Purification Method:

Protein G purification

CloneNo.:

2G12A7

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat, rabbit

Positive Controls:

WB : SH-SY5Y cells, A549 cells, HeLa cells, HT-1080 cells, HEK-293 cells, rat brain tissue, mouse brain tissue, rabbit brain 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:

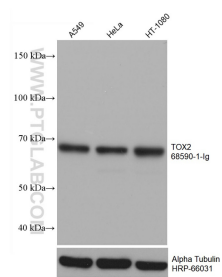
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

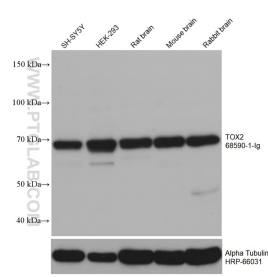
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68590-1-Ig (TOX2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



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