

For Research Use Only

# TOX2 Monoclonal antibody

Catalog Number: 68590-1-Ig



## Basic Information

<b>Catalog Number:</b> 68590-1-Ig	<b>GenBank Accession Number:</b> NM_001098797	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 84969	<b>CloneNo.:</b> 2G12A7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q96NM4	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG1	<b>Full Name:</b> TOX high mobility group box family member 2	
<b>Immunogen Catalog Number:</b> AG31563	<b>Calculated MW:</b> 52KD	
	<b>Observed MW:</b> 70 kDa	

## 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**

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

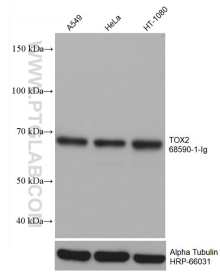
T: 4006900926

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

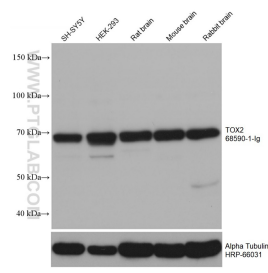
W: [ptgcn.com](http://ptgcn.com)

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## 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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