

For Research Use Only

TOX2 Polyclonal antibody

Catalog Number: 21162-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 21162-1-AP	GenBank Accession Number: BC007636	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 84969	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: TOX high mobility group box family member 2	IHC 1:50-1:500
IsoType: IgG	Calculated MW: 488 aa, 52 kDa	
Immunogen Catalog Number: AG14772	Observed MW: 70 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

ChIP, IF, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A549 cells, MCF-7 cells, mouse liver tissue

IP: mouse liver tissue,

IHC: human breast cancer 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Shu Horiuchi	34623911	Sci Adv	WB
Jianbiao Zhou	37032358	Mol Cancer	WB,IF,ChIP

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

*** 20ul sizes contain 0.1% BSA

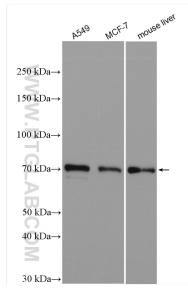
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

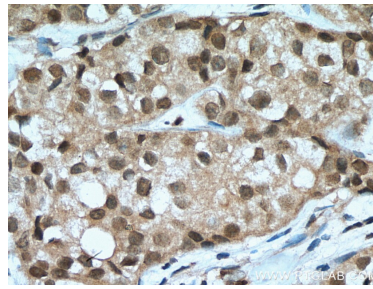
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

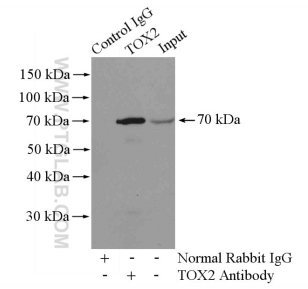
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21162-1-AP (TOX2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 21162-1-AP (TOX2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-TOX2 (IP:21162-1-AP, 4ug; Detection:21162-1-AP 1:300) with mouse liver tissue lysate 4000ug.