

For Research Use Only

# TOX Polyclonal antibody

Catalog Number: 34301-1-AP



## Basic Information

**Catalog Number:**

34301-1-AP

**Size:**

150ul , Concentration: 390 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG41257

**GenBank Accession Number:**

BC016665

**GeneID (NCBI):**

9760

**UNIPROT ID:**

O94900

**Full Name:**

thymocyte selection-associated high mobility group box

**Calculated MW:**

526 aa, 58 kDa

**Observed MW:**

57-70 kDa

**Purification Method:**

Antigen affinity Purification

**Recommended Dilutions:**

WB: 1:500-1:3000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : Jurkat cells, MOLT-4 cells, Raji cells

## Background Information

Thymocyte selection-associated high-mobility group box (TOX) is a DNA-binding factor that can regulate transcription by modifying local chromatin structure and modulating the formation of multi-protein complexes. TOX has multiple roles in the development of the adaptive immune system including development of CD4 T cells, NK cells and lymph node organogenesis (PMID: 35485425). Two bands detected at ~63 kDa and ~57kDa were presumed to be the unmodified form and the post-translationally form of TOX, respectively,(PMID: 32106280).

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

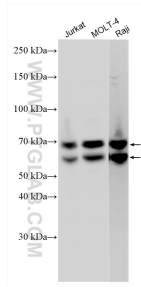
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34301-1-AP (TOX antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.