

For Research Use Only

# TOX Polyclonal antibody, PBS Only

Catalog Number: 34301-1-PBS



## Basic Information

Catalog Number:

34301-1-PBS

Size:

100ug, Concentration: 1 mg/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 kDa, 63 kDa

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## 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 -80°C.

Storage Buffer:

PBS only, pH7.3

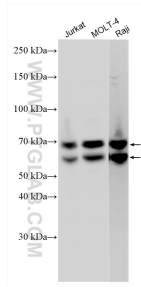
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## Selected Validation Data



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. This data was developed using the same antibody clone with 34301-1-PBS in a different storage buffer formulation.