

Datasheet for ABIN6991735 **anti-TOX antibody (N-Term)**



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Overview

Quantity:	0.1 mg
Target:	TOX
Binding Specificity:	AA 130-180, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOX antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	TOX antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human TOX. The immunogen is located within amino acids 130 - 180 of TOX.
Isotype:	IgG
Specificity:	No alternatively spliced transcript variants have been observed.
Purification:	TOX Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TOX
Alternative Name:	TOX (TOX Products)
Background:	TOX Antibody: TOX (thymocyte selection-associated high mobility group (HMG) box protein) is

Target Details

a member of the HMG box family of DNA-binding proteins and likely plays a role in the regulation of T-cell development. It is a 526 amino acid nuclear protein and the expression of TOX is upregulated by pre-T cell receptor (pre-TCR) and TCR activation in immature thymocytes. TOX-mediated positive selection is associated with up-regulation of RUNX3 and is calcineurin dependent. TOX-dependent transition to the CD4+CD8 stage is required for development of class II major histocompatibility complex-specific T cells.

Molecular Weight: 58 kDa

Gene ID: 9760

NCBI Accession: [NP_055544](#)

UniProt: [O94900](#)

Application Details

Application Notes: TOX antibody can be used for detection of TOX by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TOX Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: TOX antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.