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Datasheet for ABIN7126479  
**anti-TOX3 antibody (AA 251-389)**

## Overview

Quantity:	100 µg
Target:	TOX3
Binding Specificity:	AA 251-389
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TOX3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Coating (Coat)

## Product Details

Immunogen:	Recombinant fragment of human TOX3 protein (around aa 251-389) (Exact sequence is proprietary)
Isotype:	IgG2b
Specificity:	It recognizes a 63 kDa protein, which is identified as TOX3. It contains a high mobility group (HMG)-box, which regulates Ca <sup>2+</sup> -dependent transcription in neurons through interaction with the cAMP-response-element-binding protein (CREB). TOX3 appears to be associated with breast cancer susceptibility and is expressed downstream of a cytoprotective cascade together with CITED1, a transcriptional regulator that does not bind directly to DNA. TOX3 is predominantly expressed in the brain and forms homodimers. TOX3 overexpression protects neuronal cells from cell death caused by endoplasmic reticulum stress or BAX overexpression through the induction of anti-apoptotic transcripts and repression of pro-apoptotic transcripts.

## Product Details

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## Target Details

Target: TOX3

Alternative Name: TOX3 ([TOX3 Products](#))

Background: TOX3, CAG trinucleotide repeat-containing gene F9 protein, CAGF9, TOX high mobility group box family member 3, Trinucleotide repeat containing 9 (TNRC9), TOX3 / TNRC9  
Cellular localisation: Cytoplasmic & Nuclear

Molecular Weight: 63kDa

Gene ID: 27324, 460789

UniProt: [O15405](#)

Pathways: [Chromatin Binding](#)

## Application Details

Application Notes: Known\_Application: ELISA (For coating, order Ab without BSA), Western Blot (1-2  $\mu$ g/mL), Optimal dilution for a specific application should be determined.  
Positive\_Control: A431 cell lysate (WB). Human breast or gastric carcinoma (IHC).

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months