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Datasheet for ABIN3025030 anti-TOX3 antibody (AA 200-400)

3 Images



Overview

Quantity:	100 µg
Target:	TOX3
Binding Specificity:	AA 200-400
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TOX3 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A recombinant fragment (139 amino acid residues around aa 200-400) from the human protein was used as the immunogen for the TOX3 antibody.
Clone:	TOX3-1123
Isotype:	lgG2b kappa
Characteristics:	It recognizes a 63 kDa protein, which is identified as TOX3. It contains a high mobility group
	(HMG)-box, which regulates Ca2+-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

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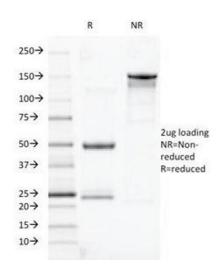
Product Details	
	neuronal cells from cell death caused by endoplasmic reticulum stress or BAX overexpression
	through the induction of anti-apoptotic transcripts and repression of pro-apoptotic transcripts.
Purification:	Protein G affinity chromatography
Target Details	
Target:	TOX3
Alternative Name:	TOX3 (TOX3 Products)
Background:	It recognizes a 63 kDa protein, which is identified as TOX3. It contains a high mobility group (HMG)-box, which regulates Ca2+-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.
Pathways:	Chromatin Binding
Application Details	
Application Notes:	Optimal dilution of the TOX3 antibody should be determined by the researcher. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 or 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µ g/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free

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Handling

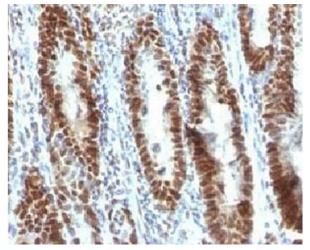
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the TOX3 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified, BSA-Free TOX3 Antibody (clone TOX3/1123). Confirmation of Integrity and Purity of the Antibody.



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 2. Formalin-fixed, paraffin-embedded human gastric carcinoma stained with TOX3 antibody (TOX3/1123).

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Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 3. Formalin-fixed, paraffin-embedded human cervical carcinoma stained with TOX3 antibody (TOX3/1123).

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