Datasheet for ABIN3025121

anti-TOX3 antibody (AA 200-400)

1 Image

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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), Western Blotting (WB), Immunofluorescence (IF)

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 TOX-3 antibody.
Clone:	TOX3-1124
Isotype:	IgG1 kappa
Characteristics:	It recognizes an ~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

Product Details

	through the induction of anti-apoptotic transcripts and repression of pro-apoptotic transcripts.
Purification:	Protein G affinity chromatography

Target Details

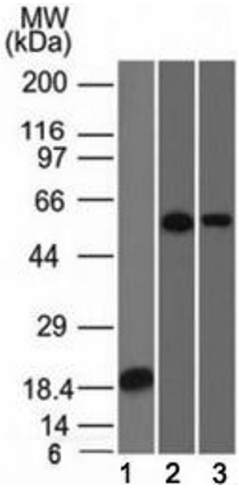
Target:	TOX3
Alternative Name:	TOX-3 (TOX3 Products)
Background:	It recognizes an ~63 kDa protein, which is identified as TOX3. It contains a high mobility group (HMG)-box, which regulates Ca2+-dependent transcription in neurons through interaction with the cAMP-response-element-binding protein (CREB). 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 TOX-3 antibody should be determined by the researcher. 1. 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 µg/mL,Western blot: 0.5-1 µg/mL,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
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the TOX-3 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Western Blotting

Image 1. Western blot analysis of 1) partial recombinant protein, 2) A549 and 3) A431 stained with TOX-3 antibody (TOX3/1124).

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