Datasheet for ABIN3025120

anti-TOX3 antibody (AA 200-400)

1 Image

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Overview

Quantity:	7 mL
Target:	TOX3
Binding Specificity:	AA 200-400
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TOX3 antibody is un-conjugated
Application:	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 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.\. Prediluted IHC only format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only

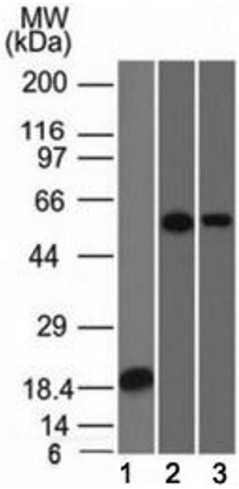
Handling

Format:	Liquid
Buffer:	Prediluted in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide, *For IHC use only*
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:	4 °C,-20 °C

Handling

Storage Comment:	Store the TOX-3 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



Western Blotting

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