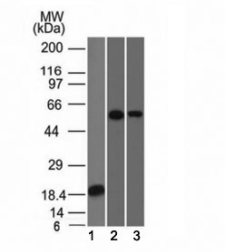
TOX-3 Antibody [clone TOX3/1124] (V2542)

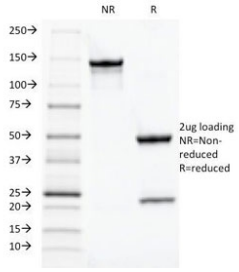
Catalog No.	Formulation	Size
V2542-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2542-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2542SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TOX3/1124
Purity	Protein G affinity chromatography
UniProt	O15405
Localization	Cytoplasmic & nuclear
Applications	ELISA (order BSA/sodium azide-free format for coating) Western blot: 1-2ug/ml
Limitations	This TOX-3 antibody is available for research use only.



Western blot analysis of 1) recombinant partial protein, 2) A549 and 3) A431 stained with TOX-3 antibody (clone TOX3/1124). Predicted molecular weight ~63 kDa.



SDS-PAGE Analysis of Purified, BSA-Free TOX-3 Antibody (clone TOX3/1124). Confirmation of Integrity and Purity of the Antibody.

Description

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.

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.

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.

Storage

Store the TOX-3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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