

36-2394: Anti-TOX3 / TNRC9 Monoclonal Antibody(Clone: TOX3/1124)

Clonality :	Monoclonal
Clone Name :	TOX3/1124
Application :	ELISA,WB
Reactivity :	Human
Gene :	TOX3
Gene ID :	27324
Uniprot ID :	O15405
Alternative Name :	TOX3; CAG trinucleotide repeat-containing gene F9 protein; CAGF9; TOX high mobility group box family member 3; Trinucleotide repeat containing 9 (TNRC9)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant fragment of human TOX3 protein (around aa 251-389) (Exact sequence is proprietary)

Description

It recognizes a 63kDa 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order Ab without BSA); Western Blot (1-2ug/ml);

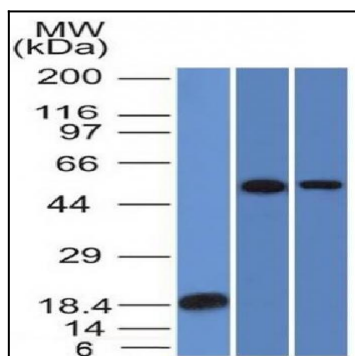


Fig. 1: Western Blot Analysis (A) Recombinant protein (B) A549 (C) A431 TOX3 Mouse Monoclonal Antibody (TOX3/1124).

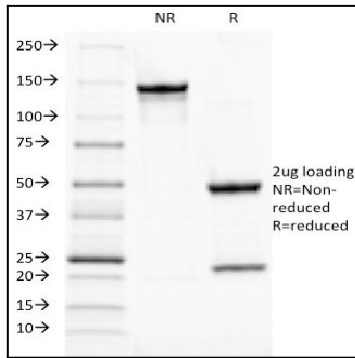


Fig. 2: SDS-PAGE Analysis Purified TOX3 Mouse Monoclonal Antibody (TOX3/1124).