

## Anti-TOX3 / TNRC9 Monoclonal Antibody

Catalog Number: M06035

### About TOX3

This monoclonal antibody recognizes a 63kDa protein, which is identified as TOX3. It contains a high mobility group (HMG)-box, which regulates Ca<sup>2+</sup>-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.

### Overview

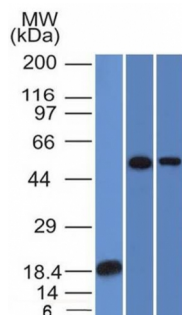
Product Name	Anti-TOX3 / TNRC9 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-TOX3 / TNRC9 Monoclonal Antibody (Catalog # M06035). Tested in ELISA, WB applications. This antibody reacts with Human.
Conjugate	Biotin
Application	ELISA, WB
Clonality	Monoclonal Clone: TOX3/1124
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	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. No MSDS required.
Host	Mouse
Uniprot ID	O15405

### Technical Details

Immunogen	Recombinant fragment of human TOX3 protein (around aa 251-389) (Exact sequence is proprietary)
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid

Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA (For coating, order antibody without BSA)</p> <p>Western Blot (1-2ug/ml)</p> <p>Optimal dilution for a specific application should be determined.</p>

## Anti-TOX3 / TNRC9 Monoclonal Antibody (M06035) Images



Western Blot analysis (A) Recombinant protein (B) A549 (C) A431 using Anti-TOX3 Mouse Monoclonal Antibody (TOX3/1124).

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