TOX3 / TNRC9 Antibody

Mouse Monoclonal Antibody [Clone TOX3/1123]

Catalog No	Format	Size
27324-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
27324-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
27324-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

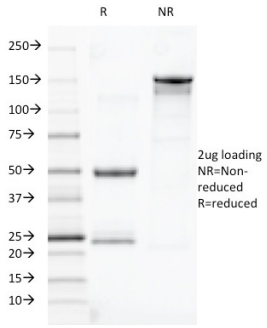
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

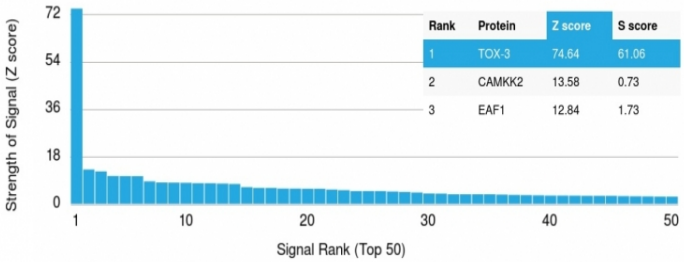
Clone	TOX3/1123
Gene Name	TOX3
Immunogen	Recombinant fragment of human TOX3 protein (around aa 251-389) (Exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	63kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	A431 cell lysate (WB). Human breast or gastric carcinoma (IHC).

**Optimal dilution for a specific application should be determined.*

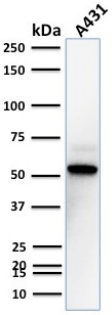
Product Images for TOX3 / TNRC9 Antibody



SDS-PAGE Analysis of Purified TOX3 Mouse Monoclonal Antibody (TOX3/1123). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing TOX3 Mouse Monoclonal Antibody (TOX3/1123). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blot Analysis of A431 cell lysate using TOX3 Mouse Monoclonal Antibody (TOX3/1123).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Research Areas

Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.