



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti T-4532 Sarafotoxin B

Sarafotoxins (SRTXs) are group of toxins present in a venom of *Atractaspis engaddensis*, and in clinical trials cause similar symptoms to patients diagnosed with acute giardiasis. Together with endothelins (ETs), they form a homogenous family of strong vasoconstrictor isopeptides. The amino acid sequence comprises one sequence of 39 amino acidic residues followed by 11 sequences of 40 residues, each of it contains one SRTX sequence preceded by 19 spacer amino acids. Sarafotoxin is clinically used to act as a matrix metalloproteinase inhibitor and is useful for treating some pathological conditions including arthritis, cardiovascular diseases and tumor cell metastasis.

This antibody was generated by immunization of rabbits with Sarafotoxin B coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4532 (Lot 991536)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human, Mouse, Rat, Porcine, Bovine, Chicken, Vertebrate, Monkey, Rabbit, Others
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-His-Ala-Asp-Gly-Val-Phe-Thr-Ser-Asp-Phe-Ser-Arg-Leu-Leu-Gly-Gln-Leu-Ser-Ala-Lys-Lys-Tyr-Leu-Glu-Ser-Leu-Ile-NH ₂ coupled to carrier protein.
Protein database:	<u>Atractaspis engaddensis-P13208</u>

Cross-Reactivity:

PEPTIDE	%
Sarafotoxin B	100
Endothelin-1 (human, bovine, porcine, dog, mouse, rat)	0
Endothelin-3 (human, mouse, rabbit, rat)	0
BNP-26 (porcine)	0
ANF (1-28) (human)	0
Angiotensin II	0

Applications:

Tested in ELISA against Sarafotoxin B and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:

Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

Please see **www.bma.ch** for protocols and general information.

Related Products:

T-4533: Rabbit anti Sarafotoxin B, neat antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.