



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Hemokinin 1

Hemokinin 1 is a substance P-like tachykinin peptide predominantly expressed in non-neuronal tissues. Hemokinin-1 is a cleavage product of Tachykinin-4 and constitutes of 11 amino acids. It mediates chronic neuropathic mechanical and cold hyperalgesia. Hemokinin 1 is involved in the activation of neuropathic microglia and astrocyte activation in spinal cord. It is known to induce acute visceral and neurogenic inflammatory pain via NK1 receptor.

This antibody was generated by immunization of rabbits with Hemokinin 1 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4835 (Lot A18PO24058)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Mouse, Rat
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-Arg-Ser-Arg-Thr-Arg-Gln-Phe-Tyr-Gly-Leu-Met-NH ₂ coupled to a carrier protein.
Protein database:	Mouse-Q99N14, Rat-Q8CH01

Cross-Reactivity:

PEPTIDE:	%:
Hemokinin 1 (mouse, rat)	100
Hemokinin 1 (human)	0.01
Substance P	0.01
Neurokinin A	0
Neurokinin B	0

Cross-Reactivity:

PEPTIDE:	%:
Neurotensin	0
Oxytocin	0
CRF (human, rat)	0

Cross-Reactivity data is taken from Radioimmunoassay applications

Applications:

Tested in ELISA against Hemokinin 1 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-4836: purified IgG (human)

S-1291: ELISA, high sensitivity for extracted samples (ms, rt)

S-1292: ELISA, high sensitivity for extracted samples (human)

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