



BMA BIOMEDICALS



Peninsula Laboratories

T-4602

Rabbit anti [Tyr ¹]-Adipokinetic Hormone I (*Locusta migratoria*) [UniProt: P55319]

Adipokinetic hormone (AKH) is a short peptide hormone that has been studied in insects. It is a lipid mobilising hormone and is responsible for regulating fuel transport in the haemolymph, for redirecting energy to other processes as required by the insect. AKH was initially discovered in the locusts *Locusta migratoria* and *Schistocerca gregaria* and is generally associated with aiding flight.

This antibody was generated by immunization of rabbits with [Tyr ¹]-Adipokinetic Hormone I coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	970325
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at - 20°C or below.
Applications:	This antibody has been tested and validated in ELISA against [Tyr ¹]-Adipokinetic Hormone I. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Tyr-Leu-Asn-Phe-Thr-Pro-Asn-Trp-Gly-Thr-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
[Tyr ¹ -Adipokinetic Hormone (<i>Locusta migratoria</i>)	100
Adipokinetic Hormone (<i>Helipthis zea</i> and <i>Manduca exta</i>)	<0.001
Adipokinetic Hormone (<i>Locusta Migratoria</i>)	<0.01
Adipokinetic Hormone-G (<i>Gryllus bimaculatus</i>)	<0.01
Substance P	0
CCK (26-33)	0
Endothelin-1 (human, porcine, dog, rat, mouse, bovine)	0

Related Products: T-4585: Rabbit anti (Tyr1)-Adipokinetic Hormone I, neat antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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rabbit IgG

1.3.2021