



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4774

### Rabbit anti Kisspeptin-13 (4-13) (human) [Uniprot: Q15726]

Kisspeptin-13 is an amino acid peptide which derives from the proteolytic cleavage of Kisspeptin-145, encoded by the KISS-1 gene located on the chromosome 1. It has been recently reported that it could mitigate memory impairment induced by A $\beta$ 1-42 in mice and it may be used as a potential drug for enhancing memory and treating Alzheimer's disease.

This antibody was generated by immunization of rabbits with Kisspeptin-13 coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	070305
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml
<b>Format:</b>	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN <sub>3</sub> , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
<b>Stability:</b>	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.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Kisspeptin-13. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Tyr-Asn-Trp-Asn-Ser-Phe-Gly-Leu-Arg-Phe-NH <sub>2</sub> coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE</b>	<b>%</b>
Kisspeptin-13 (4-13) (human)	100
Kisspeptin-54 (27-54) (human)	100
Antho-Rwamide I	0
Antho-RWamide II	0

Related Products: T-4771: anti Kisspeptin-13, neat antiserum  
T-4775: anti Kisspeptin-13, purified IgG  
S-1308: ELISA, high sensitivity for extracted samples (Kisspeptin-54)  
S-1255: ELISA, high sensitivity for extracted samples (Kisspeptin-13)

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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.

T-4774

diluted antiserum –hu

19.8.2020