



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Growth Hormone-releasing Factor

Growth Hormone-releasing Factor (GRF), also known as Somatocrinin, is a 44 amino acid peptide hormone produced in the arcuate nucleus of the hypothalamus. GRF stimulates growth hormone production and release by binding to the GRF receptor (GHRHR) on cells in the anterior pituitary.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4059 (Lot n/a)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Reconstitute by adding 1.0 ml 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-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH ₂ coupled to carrier protein.
Protein database:	<u>human-P01286</u>
Cross-Reactivity:	

PEPTIDE	%
GRF (1-44) (human)	100
GRF (1-44) (porcine)	100
GRF (1-44) (bovine)	100
GRF (1-44) (ovine, caprine)	100
GRF (1-40) (human)	100
GRF (1-37) (human)	80
GRF (1-29) amide (human)	30

Cross-Reactivity:

PEPTIDE	%
GRF (1-43) (rat)	0
GRF (1-42) (mouse)	0
GRF (30-44) (human)	0
VIP (human, bovine, porcine, rat)	0
Human Growth Hormone	0
Secretin (human)	0

Applications:

Tested in immunohistochemistry (IHC) and ELISA against GRF. Other applications like FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

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

Approximate working dilution for IHC:

Frozen sections: not tested yet.

Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

S-1172: ELISA high sensitivity for extracted samples

T-4060: Rabbit anti GRF, purified IgG, (hu)

T-4061: Rabbit anti GRF, neat antiserum, (hu)

T-4079: Rabbit anti GRF, neat antiserum, (rt)

T-4374: Rabbit anti GRF (30-44), purified IgG, (hu)

T-4377: Rabbit anti GRF, diluted antiserum, (rt)

T-4378: Rabbit anti GRF, purified IgG, (hu)

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