



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-4060 (Lot A06360)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered 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-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 (human)	100
GRF (porcine)	100
GRF (rat)	100
GRF (bovine)	100
GRF (ovine, caprine)	100
GRF (1-40) (human)	100
GRF (1-37) (human)	80
GRF (1-29) amide (human)	30
GRF (30-44) amide (human)	0
VIP (human, bovine, porcine, mouse, rat)	0
GH (human)	0
Secretin (human)	0

Applications:

Tested in ELISA against Growth Releasing Factor 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:

S-1172: ELISA, high sensitivity for extracted samples
T-4378: Rabbit anti GRF, purified IgG (rt)
T-4374: Rabbit anti GRF (30-44), purified IgG (hu)
T-4061: Rabbit anti GRF, neat antiserum (hu)
T-4059: Rabbit anti GRF, diluted antiserum (hu)
T-4377: Rabbit anti GRF, diluted antiserum (rt)
T-4079: Rabbit anti GRF, neat antiserum (rt)

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