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**Antibody to Growth Hormone Releasing Hormone/Factor (GHRH/GHRF)
RABBIT POLYCLONAL**

Catalog Number: AB-01
Quantity: 100 microliters
Format: Liquid antisera, no preservative
Host: Rabbit
Immunogen: Synthetic hpGRH1-40

Background:

Growth hormone-releasing hormone (GHRH) is a peptide that stimulates both the synthesis and secretion of growth hormone.

Specificity and Preparation:

This antibody recognizes the human growth hormone releasing hormone/factor. It will also recognize GHRH in zebrafish.¹ Synthetic hpGRH1-40 was used as immunogen. The antibody is routinely tested by dot blot.

Usage and Storage:

Applications include immunoblotting (ATS in-house; 1:1,000), immunostaining (1:200 to 1:600)³, immunohistochemistry (fresh or frozen non-fixed sections; 1:800)⁴ and radioimmunoassay.² Store the antibody at 4°C for one month or -20°C in undiluted aliquots for up to one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

References:

1. Wagle M, Mathur P, Guo S. (2011) Corticotropin-releasing factor critical for zebrafish camouflage behavior is regulated by light and sensitive to ethanol. *J Neurosci* 31:214-224.
2. Bloch B, Baird A, Ling N, Guillemin R. (1986) Immunohistochemical evidence that growth hormone-releasing factor (GRF) neurons contain an amidated peptide derived from cleavage of the carboxyl-terminal end of the GRF precursor. *Endocrinol* 118:156-162.
3. Bloch B, Gaillard RC, Brazeau P, Lin HD, Ling N (1984) Topographical and ontogenetic study of the neurons producing growth hormone-releasing factor in human hypothalamus. *Regul Pept* 8(1):21-31.
4. Bloch B, Brazeau P, Ling N, Bohlen P, Esch F, Wehrenberg WB, Benoit R, Bloom F, Guillemin R. (1983) Immunohistochemical detection of growth hormone-releasing factor in brain. *Nature* 301:607-608.

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