

Anti-GHRH Receptor Antibody

Catalog # AP51229

Product Information

Application	WB, IF/IC
Primary Accession	Q02643
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47402

Additional Information

Gene ID	2692
Other Names	Growth hormone-releasing hormone receptor; GHRH receptor; Growth hormone-releasing factor receptor; GRF receptor; GRFR
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GHRH Receptor. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

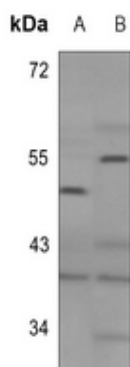
Protein Information

Name	GHRHR
Function	Receptor for GRF, coupled to G proteins which activate adenylyl cyclase. Stimulates somatotroph cell growth, growth hormone gene transcription and growth hormone secretion.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Pituitary gland.

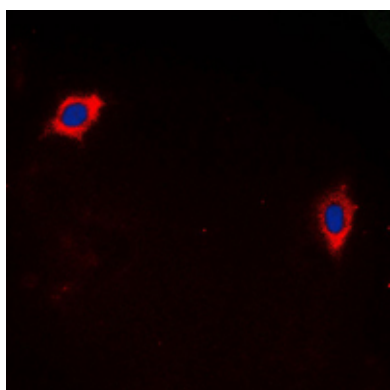
References

Mayo K.E.,et al.Mol. Endocrinol. 6:1734-1744(1992).
Gaylinn B.D.,et al.Mol. Endocrinol. 7:77-84(1993).
Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of GHRH Receptor expression in mouse kidney (A), rat kidney (B) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 47; 55 kD)



Immunofluorescent analysis of GHRH Receptor staining in LOVO cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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