

## GHRHR Antibody FITC Conjugated

Catalog No: #C07634F

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## Description

Product Name	GHRHR Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human GHRHR
Conjugates	FITC
Target Name	GHRHR
Other Names	GHRFR; GHRH R; GHRH receptor; Ghrhr; GHRHR_HUMAN; GHRHRpsv; GRF R; GRF receptor; GRFR; Growth hormone releasing factor receptor; Growth hormone releasing hormone receptor; Growth hormone-releasing factor receptor; Growth hormone-releasing hormone receptor.
Accession No.	NCBI Gene ID2692
Uniprot	Q02643
GeneID	2692;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200 IF=1:50-200

## Background

GHRH-R is a seven transmembrane domain protein that localizes to the somatotroph of the pituitary. GHRH-R plays an important role in growth and acts as a high-affinity receptor for GHRH. Binding of GHRH leads to the coupling of GHRH-R to G-protein which stimulates increased adenylyl cyclase activity and the accumulation of cAMP leading to the synthesis and release of growth hormone and somatotroph proliferation. In addition, this signalling pathway may have direct action in fetal placental development, reproduction and immune function. GHRH and GHRH-R may also play a role in the regulation of non-rapid eye movement sleep (NREMS). The expression of GHRH-R is dependent on the presence of the POU domain factor Pit-1. Mutations in the gene encoding this protein can result in isolated growth hormone deficiency (IGHD), also known as Dwarfism of Sindh, and anterior pituitary hypoplasia (APH).

Note: This product is for in vitro research use only