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[Primary Antibody]

Rabbit Anti-Ghrelin Receptor antibody

Catalog Number: SL11529R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Ghrelin Receptor
Immunogen:	KLH conjugated synthetic peptide derived from human Ghrelin Receptor: 75-135/366 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 ICC/IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	41kDa
Subcellular Location:	The cell membrane
Background:	This gene encodes a member of the G-protein coupledreceptor family. The encoded protein may play a role in energyhomeostasis and regulation of body weight. Two identifiedtranscript variants are expressed in several tissues and areevolutionary conserved in fish and swine. One transcript, 1a,excises an intron and encodes the functional protein; this proteinis the receptor for the Ghrelin ligand and defines a neuroendocrinepathway for growth hormone release. The second transcript (1b)retains the intron and does not function as a receptor for Ghrelin;however, it may function to attenuate activity of isoform 1a.Mutations in this gene are associated with autosomal idiopathicshort stature.[provided by RefSeq, Apr 2010]. **Function:** Receptor for ghrelin, coupled to G-alpha-11 proteins. Stimulates growth hormone secretion. Binds also other growth hormone releasing

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	peptides (GHRP) (e.g. Met-enkephalin and GHRP-6) as well as non-peptide, low molecular weight secretagogues (e.g. L-692,429, MK-0677, adenosine). **Subcellular Location:** Cell membrane. **Tissue Specificity:** Pituitary and hypothalamus. DISEASE: Defects in GHSR may be a cause of idiopathic short stature autosomal (ISSA) [MIM:604271]. Short stature is defined by a subnormal rate of growth. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 2693 Human **Entrez Gene:** 208188 Mouse **Entrez Gene:** 397372 Pig **Entrez Gene:** 84022 Rat Omim: 601898 Human **SwissProt:** Q6ISR8 Human **SwissProt:** Q92847 Human **SwissProt:** Q99P50 Mouse **SwissProt:** Q95254 Pig **SwissProt:** O08725 Rat **Unigene:** 130212 Human **Unigene:** 194721 Mouse **Unigene:** 16107 Pig **Unigene:** 74241 Rat

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