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Datasheet for ABIN1701302
anti-GHRHR antibody (Biotin)

Overview

Quantity:	100 µL
Target:	GHRHR
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GHRHR antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GHRHR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	GHRHR
Alternative Name:	GHRHR (GHRHR Products)
Background:	Synonyms: 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.

Target Details

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).

Gene ID: 2692

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Hormone Transport](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [cAMP Metabolic Process](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months