

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GHRHR in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 1037442
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human GHRHR synthetic peptide Accession # Q02643
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GHRHR is a GPCR that binds growth hormone-releasing hormone that is expressed in the pituitary. Significant amounts of GHRHR are also found in the hypothalamus, kidney, and placenta. GHRH regulates the secretion of growth hormone that controls the metabolism and growth of every tissue through its binding with GHRHR. Malfunction in GHRHR signaling is associated with abnormal growth. GHRHR is a therapeutic target against dwarfism, gigantism, lipodystrophy, and certain cancers.

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