

DESCRIPTION

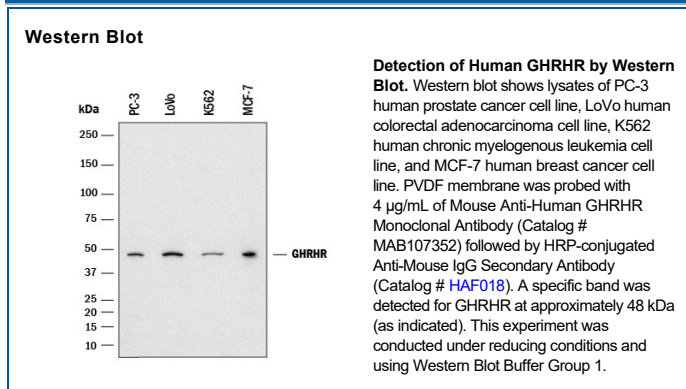
Species Reactivity	Human
Specificity	Detects human GHRHR in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 1037308
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human GHRHR synthetic peptide Accession # Q02643
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	4 µg/mL	PC-3 human prostate cancer cell line, LoVo human colorectal adenocarcinoma cell line, K562 human chronic myelogenous leukemia cell line, and MCF-7 human breast cancer cell line

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.