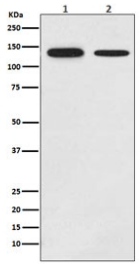
GHR Antibody / Growth Hormone Receptor [clone 17G57] (RQ5338)

Catalog No.	Formulation	Size
RQ5338	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	17G57
Purity	Affinity purified
UniProt	P10912
Applications	Western blot: 1:500-1:2000
Limitations	This GHR antibody is available for research use only.



Western blot testing of 1) human MCF-7 and 2) mouse brain lysate with GHR antibody. Predicted molecular weight ~72 kDa but GHR can be glycosylated, ubiquitinated and complex with GH causing a larger than predicted size to be observed.

Description

The GHR gene encodes a member of the type I cytokine receptor family, which is a transmembrane receptor for growth hormone. Binding of growth hormone to the receptor leads to receptor dimerization and the activation of an intra- and intercellular signal transduction pathway leading to growth. Mutations in this gene have been associated with Laron syndrome, also known as the growth hormone insensitivity syndrome (GHIS), a disorder characterized by short stature. In humans and rabbits, but not rodents, growth hormone binding protein (GHBP) is generated by proteolytic cleavage of the extracellular ligand-binding domain from the mature growth hormone receptor protein. Multiple alternatively spliced

transcript variants have been found for this gene. [RefSeq]

Application Notes

Optimal dilution of the GHR antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Growth Hormone Receptor / GHR was used as the immunogen for the GHR antibody.

Storage

Store the GHR antibody at -20oC.

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