



Anti-GHR (aa 19-118) polyclonal antibody (DPAB-DC1329)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This 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.[provided by RefSeq, Jun 2011]
Immunogen	GHR (NP_000154, 19 a.a. ~ 118 a.a) partial recombinant protein with GST tag. The sequence is FSGSEATAAILSRAPWSLQSVNPGLKTNSSKEPKFTKCRSPERETF SCHWTDEVHHGTKN LGPIQLFYTRRNTQEWTEWKECPDYVSAGENS CYFNSSF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GHR growth hormone receptor [Homo sapiens (human)]
Official Symbol	GHR
Synonyms	GHR; growth hormone receptor; GHBP; GH receptor; serum binding protein; somatotropin receptor; growth hormone binding protein;
Entrez Gene ID	2690
Protein Refseq	NP_000154
UniProt ID	P10912
Chromosome Location	5p13-p12
Pathway	Cytokine Signaling in Immune system; Endochondral Ossification; Immune System; Neuroactive ligand-receptor interaction
Function	SH2 domain binding; growth factor binding; growth hormone receptor activity; peptide hormone binding