

Growth hormone receptor Conjugated Antibody

Catalog No: #C49735



Package Size: #C49735-AF350 100ul #C49735-AF405 100ul #C49735-AF488 100ul
 #C49735-AF555 100ul #C49735-AF594 100ul #C49735-AF647 100ul
 #C49735-AF680 100ul #C49735-AF750 100ul #C49735-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	Growth hormone receptor Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	GH receptor antibody GH-binding protein antibody GHBP antibody GHBP, included antibody GHR antibody GHR_HUMAN antibody Growth hormone binding protein antibody Growth hormone receptor antibody Growth hormone receptor precursor antibody Growth hormone-binding protein antibody Growth hormone-binding protein, included antibody Increased responsiveness to growth hormone, included antibody Serum binding protein antibody Serum-binding protein antibody Somatotropin receptor antibody
Accession No.	Swiss-Prot#:P10912
Uniprot	P10912
GeneID	2690;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	71 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

GHR (growth hormone receptor) binds growth hormone (GH), which is produced by the anterior pituitary and regulates body growth and other metabolic processes. GHR is an integral membrane protein and a member of the cytokine receptor family. A common characteristic of the cytokine receptor family is having soluble forms of the protein. The soluble form of GHR is GH-binding protein (GHBP), which is generated by the proteolytic cleavage of the extracellular domain of GHR (2-4). Reduced levels of GHBP are associated with GH insensitivity syndrome (GHIS) (2,4). GHR has been shown to be transcribed via at least two different promoters, resulting in GHR 1A and GHR 1B. Both GHR 1A and 1B are expressed in liver, whereas GHR 1B is also expressed in muscle, uterus, and ovary tissues.

Note: This product is for in vitro research use only