

32-5744: Mouse Anti Human Growth Hormone IgG2b(Clone:PG3H5AT.)

Clonality :	Monoclonal
Clone Name :	PG3H5AT.
Application :	ELISA ,WB
Gene :	GH1
Gene ID :	2688
Uniprot ID :	P01241
Format :	Purified
Alternative Name :	GH1,GH,GHN,GH-N,hGH-N,Pituitary growth hormone,Growth hormone 1,Somatotropin.
Isotype :	Mouse IgG2b heavy chain and k light chain.
Immunogen Information :	GH Antibody is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with recombinant Growth hormone.

Description

GH is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature.

Product Info

Amount :	20 µg
Purification :	GH antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% sodium azide.
Storage condition :	For periods up to 1 month store at 4 C, for longer periods of time, store at -20 C. Prevent freeze thaw cycles.

Application Note

The GH antibody has been tested by ELISA and by Western blot analysis to assure specificity and reactivity. Since application vary, however, each investigation should titrate the reagent to obtain optimal results. Recommended dilution range for Western blot analysis: 1:500 ~ 1:1000. Recommended starting dilution: 1:500.