

IGF-BP3 Polyclonal Antibody

CATALOG #:	5720-200
AMOUNT:	200 µg
LOT #:	_____
IMMUNOGEN:	<i>E. coli</i> -expressed recombinant human IGF-BP3
INTERNAL ID#:	BV-G43
HOST:	Rabbit

200 µg (0.5 mg/ml) affinity purified rabbit anti-human IGF-BP3 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5mM EDTA and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

Human IGF-BP3, also known as growth-hormone-dependant binding protein, is a 28.9 kDa cysteine-rich secreted protein. It is the major IGF binding protein present in the plasma of human and animals. In addition to its ability to modulate the activity of IGF-I and IGF-2, IGF-BP3 also exerts inhibitory effects on follicle stimulating hormone (FSH) activity. Decreased plasma levels of IGF-BP3 often results in dwarfism, whereas elevated levels of IGF-BP3 may lead to acromegaly. The expression of IGF-BP3 in fibroblasts is stimulated by mitogenic growth factors such as Bombesin, Vasopressin, PDGF, and EGF.

APPLICATIONS:

The antibody can be used in Western Blot analysis (0.5-4 µg/ml). Recombinant human IGF-BP3 (Cat.# 4720-25) can be used as a positive control. However, the optimal conditions should be determined individually.

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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