

Anti-human IGF-BP5 Polyclonal Antibody

CATALOG #:	5723-100
AMOUNT:	100 µg
LOT #:	_____
IMMUNOGEN:	<i>E. coli</i> expressed human IGF-BP5 (Internal ID# BV-F47)
HOST:	Rabbit

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-human IGF-BP5 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

STORAGE CONDITIONS:

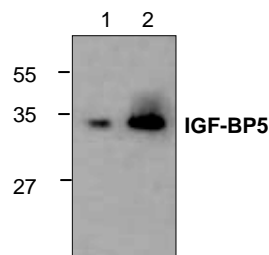
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

DESCRIPTION:

Human IGF-BP5 is a cysteine-rich secreted protein produced by vascular smooth muscle cells. It is the major IGF-binding protein present in bone tissue and helps potentiate the action of IGF-I on smooth muscle cells, fibroblasts or osteoblasts. Studies show that IGF-BP5 acts as a growth inhibitor and pro-apoptotic agent in breast cancer cells. IGF-BP5 overexpressing mice show an increase in neonatal mortality, reduced female fertility, whole body growth inhibition, and retarded muscle development.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Other applications have not been tested. Recombinant human IGF-BP5 (Cat.# 4723-25) can be used as a positive control.



Cat. #: 5723-100
 Western blot analysis of IGF-BP5 using recombinant human IGF-BP5.
 Lane 1: 10 ng
 Lane 2: 50 ng

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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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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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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Growth Factors and Cytokines

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