

IGF-BP5 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11055**Specification**

IGF-BP5 Antibody - Product Information

Application	WB
Primary Accession	P24593
Other Accession	NP_000590
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	30570

IGF-BP5 Antibody - Additional Information**Gene ID** 3488**Application & Usage**

Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Recombinant human IGFBP-5 can be used as a positive control. Other applications have not been determined.

Other Names

IGFBP-5, IGFBP5, IGFBP 5, IGF-BP-5, IGF-BP 5

Target/Specificity

IGF-BP5

Antibody Form

Liquid

Appearance

Colorless liquid

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 and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

IGF-BP5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IGF-BP5 Antibody - Protein Information

Name IGFBP5

Synonyms IBP5

Function

IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.

Cellular Location

Secreted.

Tissue Location

Osteosarcoma, and at lower levels in liver, kidney and brain

IGF-BP5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IGF-BP5 Antibody - Images**IGF-BP5 Antibody - Background**

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.