

**IGFBP1 Antibody**  
**Rabbit mAb**  
**Catalog # AP92272****Specification**

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**IGFBP1 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P08833</a>
Reactivity	<b>Rat</b>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
AFBP; IBP1; PP12; IGF-BP25; hIGFBP-1;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>27904 Da</b>

**IGFBP1 Antibody - Additional Information**

Dilution	<b>WB~~1:1000</b>
Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human IGFBP1</b>
Description	<b>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. Promotes cell migration.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

**IGFBP1 Antibody - Protein Information****Name** IGFBP1**Synonyms** IBP1**Function**

Multifunctional protein that plays a critical role in regulating the availability of IGFs such as IGF1 and IGF2 to their receptors and thereby regulates IGF-mediated cellular processes including cell migration, proliferation, differentiation or apoptosis in a cell-type specific manner (PubMed:<a href="http://www.uniprot.org/citations/11397844" target="\_blank">11397844</a>, PubMed:<a href="http://www.uniprot.org/citations/15972819" target="\_blank">15972819</a>). Also plays a positive role in cell migration by interacting with integrin ITGA5:ITGB1 through its RGD motif (PubMed:<a href="http://www.uniprot.org/citations/7504269" target="\_blank">7504269</a>).

Mechanistically, binding to integrins leads to activation of focal adhesion kinase/PTK2 and stimulation of the mitogen-activated protein kinase (MAPK) pathway (PubMed:<a href="http://www.uniprot.org/citations/11397844" target="\_blank">11397844</a>). Regulates cardiomyocyte apoptosis by suppressing HIF-1alpha/HIF1A ubiquitination and subsequent degradation (By similarity).

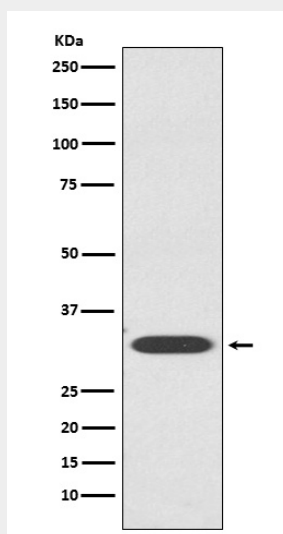
**Cellular Location**

Secreted.

**IGFBP1 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](#)

**IGFBP1 Antibody - Images**

Western blot analysis of IGFBP1 expression in HepG2 cell lysate.