

**IGFBP2 Rabbit mAb**  
Catalog # AP75599**Specification**

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**IGFBP2 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P18065</a>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>34814</b>

**IGFBP2 Rabbit mAb - Additional Information****Gene ID** 3485**Other Names**  
IGFBP2**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**IGFBP2 Rabbit mAb - Protein Information****Name** IGFBP2**Synonyms** BP2, IBP2**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 proliferation, differentiation, and apoptosis in a cell-type specific manner (PubMed:<a href="http://www.uniprot.org/citations/18563800" target="\_blank">18563800</a>, PubMed:<a href="http://www.uniprot.org/citations/38796567" target="\_blank">38796567</a>). Functions coordinately with receptor protein tyrosine phosphatase beta/PTPRB and the IGF1 receptor to regulate IGF1-mediated signaling by stimulating the phosphorylation of PTEN leading to its inactivation and AKT1 activation (PubMed:<a href="http://www.uniprot.org/citations/22869525" target="\_blank">22869525</a>). Plays a positive role in cell migration via interaction with integrin alpha5/ITGA5 through an RGD motif (PubMed:<a href="http://www.uniprot.org/citations/16569642" target="\_blank">16569642</a>). Additionally, interaction with ITGA5/ITGB1 enhances the adhesion of endothelial progenitor cells to endothelial cells (PubMed:<a href="http://www.uniprot.org/citations/26076738" target="\_blank">26076738</a>). Upon mitochondrial damage, facilitates apoptosis with ITGA5 of podocytes, and then activates the phosphorylation of focal adhesion kinase (FAK)-mediated mitochondrial injury (PubMed:<a href="http://www.uniprot.org/citations/38796567" target="\_blank">38796567</a>).

**Cellular Location**  
Secreted**IGFBP2 Rabbit mAb - 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](#)

**IGFBP2 Rabbit mAb - Images**