

**Anti-IGFBP3 Antibody (aa130-179)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18048****Specification**

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**Anti-IGFBP3 Antibody (aa130-179) - Product Information**

Application	<b>WB, IHC-P, E</b>
Primary Accession	<a href="#">P17936</a>
Predicted	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>31674</b>

**Anti-IGFBP3 Antibody (aa130-179) - Additional Information****Gene ID** 3486**Alias Symbol** **IGFBP3****Other Names**

IGFBP3, Binding protein 29, Binding protein 53, BP-53, IGF-binding protein 3, IGFBP-3, IBP-3, IBP3

**Target/Specificity**

IGFBP-3 antibody detects endogenous levels of IGFBP-3.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-IGFBP3 Antibody (aa130-179) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-IGFBP3 Antibody (aa130-179) - Protein Information****Name** IGFBP3**Synonyms** IBP3**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:[10874028](http://www.uniprot.org/citations/10874028)), PubMed:[19556345](http://www.uniprot.org/citations/19556345)). Also exhibits IGF- independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R (PubMed:[20353938](http://www.uniprot.org/citations/20353938)). Inhibits the positive effect of humanin on insulin sensitivity (PubMed:[19623253](http://www.uniprot.org/citations/19623253)).

Promotes testicular germ cell apoptosis (PubMed:<a href="http://www.uniprot.org/citations/19952275" target="\_blank">19952275</a>). Acts via LRP-1/alpha2M receptor, also known as TGF-beta type V receptor, to mediate cell growth inhibition independent of IGF1 (PubMed:<a href="http://www.uniprot.org/citations/9252371" target="\_blank">9252371</a>). Mechanistically, induces serine-specific dephosphorylation of IRS1 or IRS2 upon ligation to its receptor, leading to the inhibitory cascade (PubMed:<a href="http://www.uniprot.org/citations/15371331" target="\_blank">15371331</a>). In the nucleus, interacts with transcription factors such as retinoid X receptor-alpha/RXRA to regulate transcriptional signaling and apoptosis (PubMed:<a href="http://www.uniprot.org/citations/10874028" target="\_blank">10874028</a>).

**Cellular Location**

Secreted. Nucleus

**Tissue Location**

Expressed by most tissues. Present in plasma.

**Anti-IGFBP3 Antibody (aa130-179) - 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](#)

**Anti-IGFBP3 Antibody (aa130-179) - Images**