

# Anti-IGFBP3 Antibody (aa130-179)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18048

## Product Information

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

## Additional Information

<b>Gene ID</b>	3486
<b>Alias Symbol</b>	IGFBP3
<b>Other Names</b>	IGFBP3, Binding protein 29, Binding protein 53, BP-53, IGF-binding protein 3, IGFBP-3, IBP-3, IBP3
<b>Target/Specificity</b>	IGFBP-3 antibody detects endogenous levels of IGFBP-3.
<b>Reconstitution &amp; Storage</b>	Immunoaffinity purified
<b>Precautions</b>	Anti-IGFBP3 Antibody (aa130-179) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	IGFBP3
<b>Synonyms</b>	IBP3
<b>Function</b>	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="#">10874028</a> , PubMed: <a href="#">19556345</a> ). Also exhibits IGF- independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R (PubMed: <a href="#">20353938</a> ). Inhibits the positive effect of humanin on insulin sensitivity (PubMed: <a href="#">19623253</a> ). Promotes testicular germ cell apoptosis (PubMed: <a href="#">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="#">9252371</a> ). Mechanistically, induces serine-specific dephosphorylation of IRS1 or IRS2 upon ligation to its receptor, leading to the

inhibitory cascade (PubMed:[15371331](#)). In the nucleus, interacts with transcription factors such as retinoid X receptor-alpha/RXRA to regulate transcriptional signaling and apoptosis (PubMed:[10874028](#)).

**Cellular Location**

Secreted. Nucleus

**Tissue Location**

Expressed by most tissues. Present in plasma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.