

**Goat Anti-IGFBP3 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1557a****Specification**

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**Goat Anti-IGFBP3 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P17936</a>
Other Accession	<a href="#">NP_000589</a> , <a href="#">3486</a> , <a href="#">16009 (mouse)</a> , <a href="#">24484 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	31674

**Goat Anti-IGFBP3 Antibody - Additional Information****Gene ID** 3486**Other Names**

Insulin-like growth factor-binding protein 3, IBP-3, IGF-binding protein 3, IGFBP-3, IGFBP3, IBP3

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-IGFBP3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-IGFBP3 Antibody - 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:<a href="http://www.uniprot.org/citations/10874028" target="\_blank">10874028</a>, PubMed:<a href="http://www.uniprot.org/citations/19556345" target="\_blank">19556345</a>). Also exhibits IGF- independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R (PubMed:<a href="http://www.uniprot.org/citations/20353938" target="\_blank">20353938</a>). Inhibits the positive effect of humanin on insulin sensitivity (PubMed:<a href="http://www.uniprot.org/citations/19623253" target="\_blank">19623253</a>). 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.

### Goat Anti-IGFBP3 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](#)

### Goat Anti-IGFBP3 Antibody - Images



AF1557a (0.02 µg/ml) staining of Human Breast cancer lysate (35 µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.