

**Goat Anti-IGFBP4 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1558a

## Specification

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### Goat Anti-IGFBP4 Antibody - Product Information

|                   |  |
|-------------------|--|
| Application       | <b>WB</b>  |
| Primary Accession | <a href="#">P22692</a>                           |
| Other Accession   | <a href="#">NP_001543</a> , <a href="#">3487</a> |
| Reactivity        | <b>Human</b>                                     |
| Predicted         | <b>Mouse</b>                                     |
| Host              | <b>Goat</b>                                      |
| Clonality         | <b>Polyclonal</b>                                |
| Concentration     | <b>100ug/200ul</b>                               |
| Isotype           | <b>IgG</b>                                       |
| Calculated MW     | <b>27934</b>                                     |

### Goat Anti-IGFBP4 Antibody - Additional Information

**Gene ID** 3487

#### Other Names

Insulin-like growth factor-binding protein 4, IBP-4, IGF-binding protein 4, IGFBP-4, IGFBP4, IBP4

#### 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-IGFBP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Goat Anti-IGFBP4 Antibody - Protein Information

**Name** IGFBP4

**Synonyms** IBP4

#### Function

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.

**Cellular Location**  
Secreted.

### Goat Anti-IGFBP4 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-IGFBP4 Antibody - Images



AF1558a (1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-IGFBP4 Antibody - Background

This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glycosylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.

### Goat Anti-IGFBP4 Antibody - References

High-density polymorphisms analysis of 23 candidate genes for association with bone mineral density. Giroux S, et al. Bone, 2010 Jul 30. PMID 20654748.  
Comprehensive analysis of common genetic variation in 61 genes related to steroid hormone and insulin-like growth factor-I metabolism and breast cancer risk in the NCI breast and prostate cancer cohort consortium. Canzian F, et al. Hum Mol Genet, 2010 Oct 1. PMID 20634197.  
Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.  
Insulin-like growth factor binding proteins-2 and -4 enhance the migration of human CD34-/CD133+ hematopoietic stem and progenitor cells. Bartling B, et al. Int J Mol Med, 2010 Jan. PMID 19956906.

High-density association study of 383 candidate genes for volumetric BMD at the femoral neck and lumbar spine among older men. Yerges LM, et al. J Bone Miner Res, 2009 Dec. PMID 19453261.