

**IGFBP3 Antibody (S183)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7641D****Specification**

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**IGFBP3 Antibody (S183) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P17936</a>
Other Accession	<a href="#">P16611</a> , <a href="#">P20959</a>
Reactivity	Human, Hamster, Mouse
Predicted	Bovine, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	162-189

**IGFBP3 Antibody (S183) - Additional Information****Gene ID** 3486**Other Names**

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

**Target/Specificity**

This IGFBP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162-189 amino acids from human IGFBP3.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

IGFBP3 Antibody (S183) is for research use only and not for use in diagnostic or therapeutic procedures.

**IGFBP3 Antibody (S183) - Protein Information****Name** IGFBP3**Synonyms** IBP3

**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. Also exhibits IGF-independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R. Inhibits the positive effect of humanin on insulin sensitivity (PubMed:[19623253](#)). Promotes testicular germ cell apoptosis (PubMed:[19952275](#)).

**Cellular Location**

Secreted.

**Tissue Location**

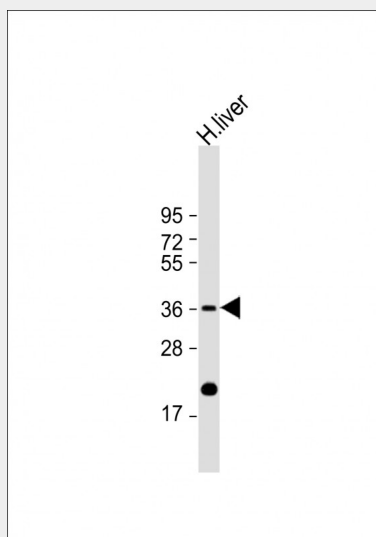
Expressed by most tissues. Present in plasma.

### IGFBP3 Antibody (S183) - Protocols

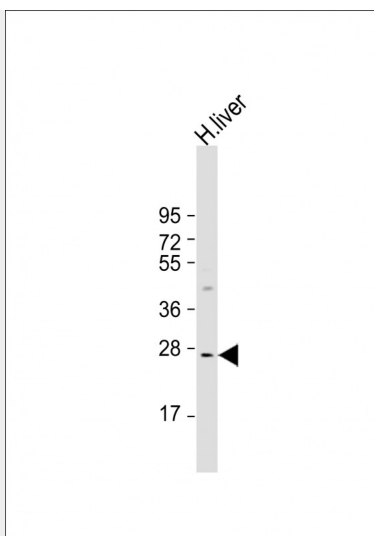
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

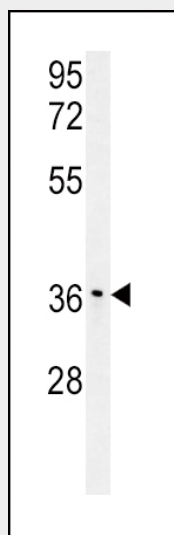
### IGFBP3 Antibody (S183) - Images



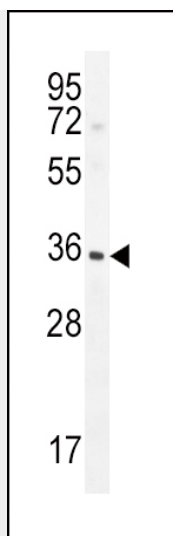
Anti-IGFBP-3 Antibody at 1:1000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 32 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



Anti-IGFBP-3-S183 Antibody at 1:1000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 32 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



IGFBP3-S183(Cat.#AP7641d) western blot analysis in mouse stomach tissue lysates (15ug/lane). This demonstrates the IGFBP antibody detected IGFBP protein (arrow).



IGFBP3-S183(Cat.#AP7641d) western blot analysis in CHO tissue lysates (15ug/lane). This demonstrates the IGFBP antibody detected IGFBP protein (arrow).

#### **IGFBP3 Antibody (S183) - Background**

IGFBP3 is a member of the insulin-like growth factor binding protein (IGFBP) family with an IGFBP domain and a thyroglobulin type-I domain. This protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors.

#### **IGFBP3 Antibody (S183) - References**

Muzumdar, R.H., Diabetes 55 (10), 2788-2796 (2006) Novosyadlyy, R., Growth Horm. IGF Res. 15 (5), 313-323 (2005)