

## Rabbit anti-Human, Mouse IGFBP-3 Polyclonal Antibody | anti-IGFBP-3 antibody

Phospho-IGFBP-3 (Ser183) Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA321548 | Rabbit | Human, Mouse | ELISA, Immunohistochemistry, Western Blot |

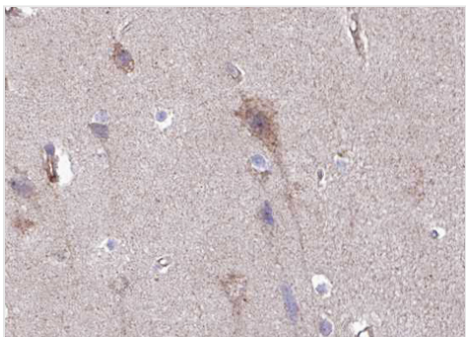
### PRODUCT SYNONYMS

IGFBP-3; Polyclonal Antibody; Phospho-IGFBP-3 (Ser183) Antibody; Acid stable subunit of the 140 K IGF complex; Binding protein 29; Binding protein 53; BP 53; BP53; Growth hormone dependent binding protein; IBP 3; IBP-3; IBP3; IBP3\_HUMAN; IGF binding protein 3; IGF-binding protein 3; IGFBP 3; IGFBP3; Insulin Like Growth Factor Binding Protein 3; Insulin-like growth factor binding protein 3 precursor; Insulin-like growth factor-binding protein 3; anti-IGFBP-3 antibody

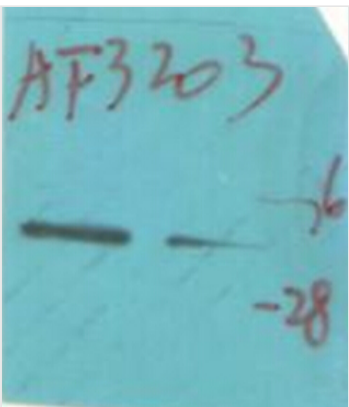
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                        |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                 |
| Reactivity                                        | Human, Mouse                                                                                                                           |
| Clonality                                         | Polyclonal                                                                                                                             |
| Isotype                                           | IgG                                                                                                                                    |
| Specificity                                       | Phospho-IGFBP-3 (Ser183) antibody detects endogenous levels of IGFBP-3 only when phosphorylated at Serine 183                          |
| Purity/Purification                               | From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns. |
| Form/Format                                       | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                          |
| Concentration                                     | 1mg/ml (varies by lot)                                                                                                                 |
| Sequence Length                                   | 291                                                                                                                                    |
| Applicable Applications for anti-IGFBP-3 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                   |
| Immunogen                                         | A synthesized peptide derived from human IGFBP-3 around the phosphorylation site of Serine 183                                         |
| Subcellular Location                              | Secreted.                                                                                                                              |
| Tissue Specificity                                | Expressed by most tissues. Present in plasma.                                                                                          |
| Predicted Cross Reactivity                        | <b>Pig, Bovine, Horse, Sheep, Dog</b>                                                                                                  |
| Similarity                                        | Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%)                                                                      |
| Conjugation                                       | Unconjugated                                                                                                                           |
| Epitope                                           | Phospho Ser183                                                                                                                         |
| Preparation and Storage                           | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                      |

IMAGES



**IHC (Immunohistochemistry)**  
AAA321548 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**WB (Western Blot)**  
Western blot analysis of IGFBP-3 phosphorylation expression in whole cell lysates, The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-IGFBP-3 antibody</b> | <p>Description: 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 forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II.</p> <p>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.</p> <p>Subunit Structure: Interacts with XLKD1 (By similarity). Binds IGF2 more than IGF1. Forms a ternary complex of about 140 to 150 kDa with IGF1 or IGF2 and a 85 kDa glycoprotein (ALS). Interacts with HN. Interacts with TMEM219.</p> <p>Post-translational Modifications: Phosphorylated by FAM20C in the extracellular medium.</p> <p>Similarity: The thyroglobulin type-1 domain mediates interaction with HN.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 62243068                                               |
| NCBI GeneID                      | 3486                                                   |
| NCBI Accession #                 | NP_000589.2                                            |
| NCBI GenBank Nucleotide #        | NM_000598.4                                            |
| UniProt Accession #              | P17936; Q2V509; Q6P1M6; Q9UCL4; A4D2F5; D3DVM0         |
| Molecular Weight                 | Observed: 30 kDa<br>Predicted: 32 kDa                  |
| NCBI Official Full Name          | insulin-like growth factor-binding protein 3 isoform b |
| NCBI Official Synonym Full Names | insulin like growth factor binding protein 3           |
| NCBI Official Symbol             | IGFBP3                                                 |
| NCBI Official Synonym Symbols    | IBP3; BP-53                                            |
| NCBI Protein Information         | insulin-like growth factor-binding protein 3           |
| UniProt Protein Name             | Insulin-like growth factor-binding protein 3           |
| UniProt Gene Name                | IGFBP3                                                 |
| UniProt Synonym Gene Names       | IBP3; IBP-3; IGF-binding protein 3; IGFBP-3            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/igfbp-3-antibody-immunohistochemistry-western-blot-elisa/321548>