

Anti-IGFBP-3 Antibody
Catalog # ABO10817

Specification

Anti-IGFBP-3 Antibody - Product Information

Application **WB, IHC**
Primary Accession [P17936](#)
Host **Rabbit**
Reactivity **Human**
Clonality **Polyclonal**
Format **Lyophilized**

Description

Rabbit IgG polyclonal antibody for Insulin-like growth factor-binding protein 3(IGFBP3) detection. Tested with WB, IHC-P in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-IGFBP-3 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

Calculated MW

31674 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

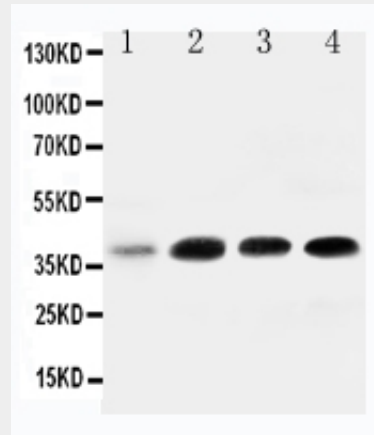
Secreted .

Tissue Specificity

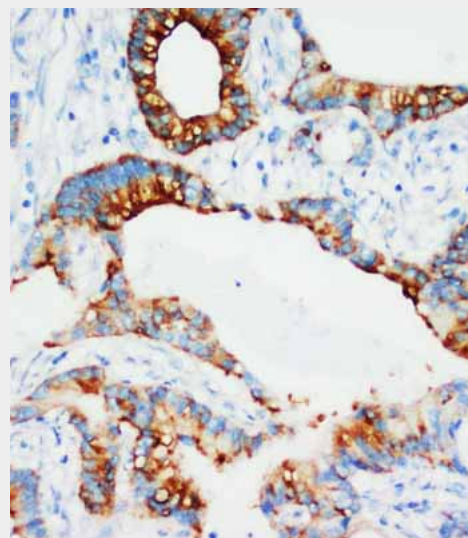
Expressed by most tissues. Present in plasma.

Protein Name

Insulin-like growth factor-binding protein 3(IBP-3/IGF-binding protein 3/IGFBP-3)



Anti-IGFBP-3 antibody, ABO10817, Western blottingAll lanes: Anti IGFBP-3 (ABO10817) at 0.5ug/mlLane 1: 293T Whole Cell Lysate at 40ugLane 2: MCF- 7 Whole Cell Lysate at 40ugLane 3: A549 Whole Cell Lysate at 40ugLane 4: SW620 Whole Cell Lysate at 40ugPredicted bind size: 32KDObserved bind size: 40KD



Anti-IGFBP-3 antibody, ABO10817, IHC(P)IHC(P): Human Mammary Cancer Tissue

Anti-IGFBP-3 Antibody - Background

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human IGFBP-3(182-198aa IKKGHAKDSQRYKVDYE).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Contains 1 IGFBP N-terminal domain.

IGFBP3, Insulin-like growth factor-binding

protein 3, 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. IGFBP3 is located on chromosome 7. 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. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Anti-IGFBP-3 Antibody - 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.

Cellular Location

Secreted.

Tissue Location

Expressed by most tissues. Present in plasma.

Anti-IGFBP-3 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](#)