

Datasheet for ABIN3043859
anti-IGFBP3 antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	100 µg
Target:	IGFBP3
Binding Specificity:	AA 214-252, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Insulin-like growth factor-binding protein 3(IGFBP3) detection. Tested with WB, IHC-P, ELISA in Human,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human IGFBP-3 (214-252aa RREMEDTLNHLKFLNVLSPRGVHIPNCDKKGFYKKKQCR), identical to the related mouse and rat sequences.
Sequence:	RREMEDTLNH LKFLNVLSPR GVHIPNCDKK GFYKKKQCR
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Insulin-like growth factor-binding protein 3(IGFBP3) detection. Tested with WB, IHC-P, ELISA in Human,Rat.</p> <p>Gene Name: insulin-like growth factor binding protein 3</p> <p>Protein Name: Insulin-like growth factor-binding protein 3</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: IGFBP3

Alternative Name: IGFBP3 ([IGFBP3 Products](#))

Background: 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.

Synonyms: Acid stable subunit of the 140 K IGF complex antibody|Binding protein 29 antibody|Binding protein 53 antibody|BP 53 antibody|BP53 antibody|Growth hormone dependent binding protein antibody|BP 3 antibody|BP-3 antibody|BP3 antibody|BP3_HUMAN antibody|IGF binding protein 3 antibody|IGF-binding protein 3 antibody|IGFBP 3 antibody|IGFBP-3 antibody|IGFBP3 antibody|Insulin Like Growth Factor Binding Protein 3 antibody|Insulin-like growth factor-binding protein 3 antibody

Gene ID: 3486

UniProt: [P17936](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#), [Smooth Muscle Cell Migration](#), [Growth Factor Binding](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
ELISA: Concentration: 0.1-0.5 µg/mL, Tested Species: Human

Notes: Tested Species: Species with positive results. Other applications have not been tested.

Application Details

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

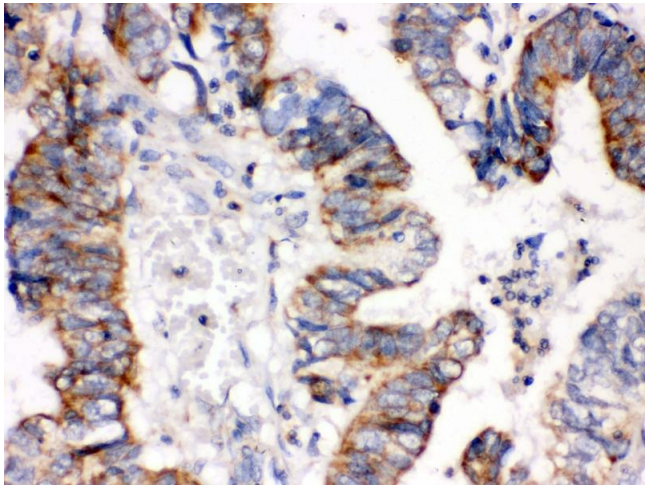
Storage: 4 °C/-20 °C

Storage Comment: 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.

Publications

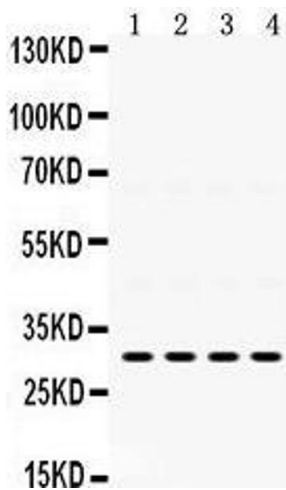
Product cited in: Liu, Hong, Li, Ren, Wang, Xu, Shi, Xu: "A Cross Talk Between BRG1 and Males Absent on the First Contributes to Reactive Oxygen Species Production in a Mouse Model of Nonalcoholic Steatohepatitis." in: **Antioxidants & redox signaling**, (2018) ([PubMed](#)).

Meyer, Fredette, Daniel, Sharma, Amann, Arterburn, Barton, Prossnitz: "Obligatory role for GPER in cardiovascular aging and disease." in: **Science signaling**, Vol. 9, Issue 452, pp. ra105, (2017) ([PubMed](#)).



Immunohistochemistry

Image 1. Anti- IGFBP3 Picoband antibody, IHC(P) IHC(P):
Human Intestinal Cancer Tissue



Western Blotting

Image 2.