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# Datasheet for ABIN5519002 anti-IGFBPI antibody (AA 26-272)

5 Images



### Overview

Quantity:	100 µg
Target:	IGFBPI
Binding Specificity:	AA 26-272
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGFBPI antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Purpose:	Rabbit IgG polyclonal antibody for IGFBP1 detection. Tested with WB, IHC-P, ELISA(Cap) in Mouse,Rat.
Immunogen:	E. coli-derived mouse IGFBP1 recombinant protein (Position: A26-N272).
Isotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for IGFBP1 detection. Tested with WB, IHC-P, ELISA(Cap) in Mouse,Rat. Gene Name: insulin-like growth factor binding protein 1 Protein Name: Insulin-like growth factor-binding protein 1
Purification:	Immunogen affinity purified.

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Target Details	
Target:	IGFBPI
Alternative Name:	IGFBP1 (IGFBPI Products)
Background:	IGFBP1, Insulin-like growth factor-binding protein 1, also known as placental protein 12 (PP12), is a protein that in humans is encoded by the IGFBP1 gene. The IGFBP1 gene has 4 exons and spans 5.9 kb. And the IGFBP1 gene is localized to 7p13-p12 by in situ hybridization. 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 type-I thyroglobulin domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
	Synonyms: Insulin-like growth factor-binding protein 1, IBP-1, IGF-binding protein 1, IGFBP-1, Igfbp1, Igfbp-1
Gene ID:	16006
UniProt:	P47876
Pathways:	Myometrial Relaxation and Contraction, ER-Nucleus Signaling, Growth Factor Binding
Application Details	

### Application Details

Application Notes:	Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Restrictions:	For Research Use only

## Handling

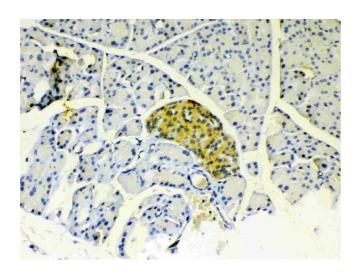
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide

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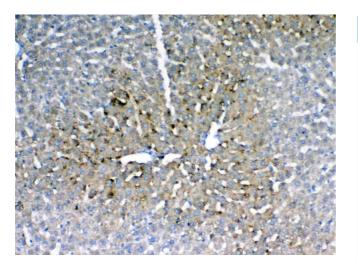
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



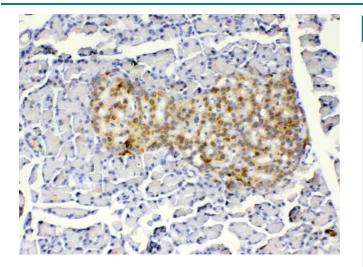
#### Immunohistochemistry

**Image 1.** IHC analysis of IGFBP1 using anti-IGFBP1 antibody .IGFBP1 was detected in paraffin-embedded section of mouse pancreas tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-IGFBP1 Antibody overnight at 4â, f. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37â, f. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



#### Immunohistochemistry

**Image 2.** IHC analysis of IGFBP1 using anti-IGFBP1 antibody .IGFBP1 was detected in paraffin-embedded section of rat liver tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-IGFBP1 Antibody overnight at 4â"f. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37â"f. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



#### Immunohistochemistry

**Image 3.** IHC analysis of IGFBP1 using anti-IGFBP1 antibody .IGFBP1 was detected in paraffin-embedded section of rat pancreas tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-IGFBP1 Antibody overnight at 4â"f. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37â"f. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

Please check the product details page for more images. Overall 5 images are available for ABIN5519002.