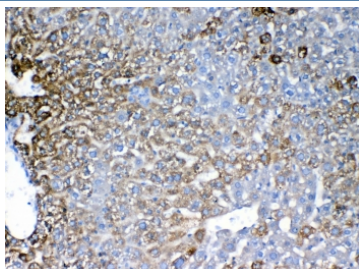


IGFBP1 Antibody (R32872)

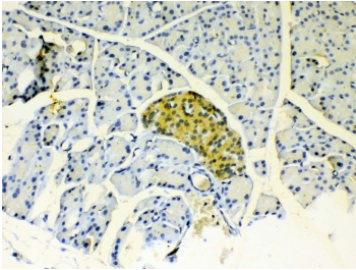
Catalog No.	Formulation	Size
R32872	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

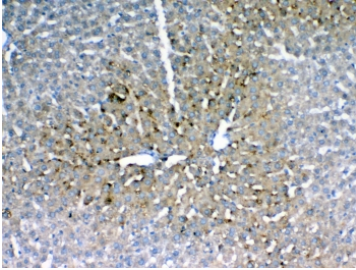
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P47876
Localization	Cytoplasmic, secreted
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml ELISA (Capture; Recombinant Mouse Protein) : 0.1-0.5ug/ml (BSA-free format available)
Limitations	This IGFBP1 antibody is available for research use only.



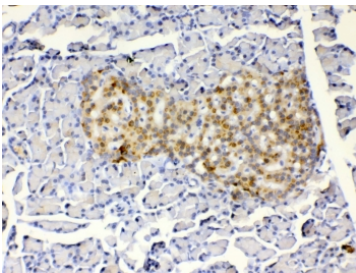
IHC testing of FFPE mouse liver tissue with IGFBP1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse pancreas tissue with IGFBP1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



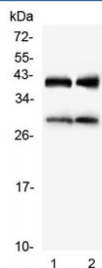
IHC testing of FFPE rat liver tissue with IGFBP1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat pancreas tissue with IGFBP1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of recombinant mouse protein with IGFBP1 antibody at 0.5ug/ml. Expected molecular weight: 28-35 kDa.



Western blot testing of 1) rat liver and 2) mouse liver lysate with IGFBP1 antibody. Expected molecular weight: 28-35 kDa.

Description

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 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.

Application Notes

Optimal dilution of the IGFBP1 antibody should be determined by the researcher.

Immunogen

A recombinant mouse protein corresponding to amino acids A26-N272 was used as the immunogen for the IGFBP1 antibody.

Storage

After reconstitution, the IGFBP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.