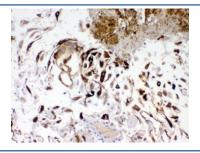


# IGFBP1 Antibody (R32673)

Catalog No.	Formulation	Size
R32673	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

# **Bulk quote request**

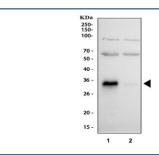
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P08833
Localization	Cytoplasmic, secreted
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This IGFBP1 antibody is available for research use only.



IHC testing of FFPE human placenta tissue with IGFBP1 antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



Western blot testing of human placenta tissue lysate with IGFBP1 antibody at 0.5ug/ml. Expected molecular weight: 28-35 kDa.



Western blot testing of human 1) HepG2 and 2) A549 cell lysate with IGFBP1 antibody at 0.5ug/ml. 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**

Amino acids A69-N259 from the human protein were 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.