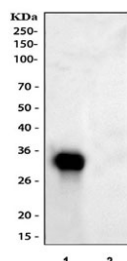


## IGFBP1 Antibody / Insulin-like growth factor-binding protein 1 (R30552)

Catalog No.	Formulation	Size
R30552	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

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



Western blot testing of human 1) HepG2 and 2) U-87 MG cell lysate with IGFBP1 antibody. Expected molecular weight: 28-35 kDa.

## Description

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. It 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

The stated application concentrations are suggested starting amounts. Titration of the IGFBP1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the middle region of human IGFBP1 (KEPCRIELYRVVESLAKAQET) was used as the immunogen for this 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.