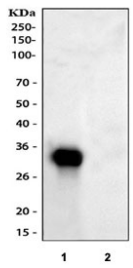
IGFBP1 Antibody / Insulin-like growth factor-binding protein 1 (R30552)

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

Bulk quote request

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
UniProt	P08833
Localization	Cytoplasmic, secreted
Applications	Western Blot : 0.5-1ug/ml
Limitations	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.