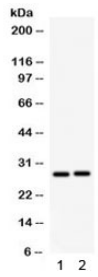
IGFBP1 Antibody (R32108)

Catalog No.	Formulation	Size
R32108	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
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P47876
Localization	Cytoplasmic, secreted
Applications	Western Blot : 0.1-0.5ug/ml ELISA : 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This IGFBP1 antibody is available for research use only.



Western blot testing of 1) rat kidney and 2) mouse kidney 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 IGFBP1 gene has 4 exons and spans 5.9 kb. And the IGFBP1gene 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 REIADLKKWKEPCQRELYKVLERLAAAQQKA of mouse IGFBP1 were used as the immunogen for the IGFBP1antibody.

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.