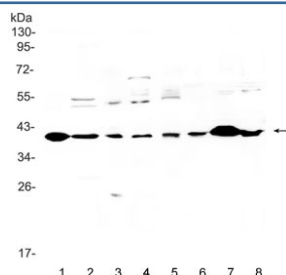


IGFBP3 Antibody (R31990)

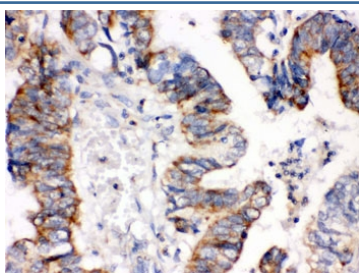
Catalog No.	Formulation	Size
R31990	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, 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	P17936
Localization	Secreted
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml (human protein tested); request BSA-free format for coating
Limitations	This IGFBP3 antibody is available for research use only.



Western blot testing of 1) rat heart, 2) rat brain, 3) rat liver, 4) rat PC-12, 5) human U-87 MG, 6) mouse kidney, 7) mouse heart and 8) mouse brain lysate with IGFBP3 antibody. Expected molecular weight: 31-44 kDa depending on level of glycosylation.



IHC testing of FFPE human intestinal cancer tissue with IGFBP3 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

IGFBP3, Insulin-like growth factor-binding protein 3, is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. IGFBP3 is located on chromosome 7. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Application Notes

Optimal dilution of the IGFBP3 antibody should be determined by the researcher.

Immunogen

Amino acids RREMEDTLNHLKFLNVLSPRGVHIPNCDKKGFYKKKQCR of human IGFBP3 were used as the immunogen for the IGFBP3 antibody.

Storage

After reconstitution, the IGFBP3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.