

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IGFBP-rP10 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant mouse IGFBP-rP10 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human IGFBP-rP10 isoform 1 Arg31-Tyr304 Accession # Q96I82
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

IGFBP-rP10 (IGF binding protein-related protein 10; also Kazal-type serine protease inhibitor domain-contain protein 1 and BONO1) is a 37 kDa (predicted), secreted member of the IGFBP superfamily. It is expressed by osteoblasts and odontoblasts, is associated with regions of mineralization, and stimulates the proliferation of osteoblasts *in vitro*. Mature human IGFBP-rP10 is 274 amino acids (aa) in length. It contains an IGF binding domain (aa 49-124), a follistatin-like serine protease inhibitor region (aa 125-168) and a C2-type Ig-like domain (aa 172-269). There is one splice variant that shows a 70 aa substitution for aa 184-304. Mature human IGFBP-rP10 is 87% aa identical to mouse IGFBP-rP10.

PRODUCT SPECIFIC NOTICES

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