Mouse IGFBP-rP10 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3906

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IGFBP-rP10 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IGFBP-rP10 Arg38-Tyr313 Accession # NP_849260
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

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.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse IGFBP-rP10

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

IGFBP-rP10, also known as Kazal-type serine protease inhibitor domain-containing protein 1 and bone and odontoblast-expressed protein 1, belongs to the IFGBP superfamily. It is a 276 amino acid (aa) residue, 36 kDa secreted protein that contains an N-terminal IGFBP domain, a Kazal-type serine protease inhibitor region, a C2-type Ig-like domain and a C-terminal poly-glu segment. An alternate variant with a 16 aa substitution for the C-terminal 33 residues has also been reported. IGFBP-rP10 is expressed in multiple tissues including osteoblasts/odontoblasts and is up-regulated during osteoblast differentiation and bone regeneration. Mouse mature IGFBP-rP10 shares 96% and 87% aa sequence identity with rat and human IGFBP-rP10, respectively.

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