



Anti-IGFBP6 monoclonal antibody, clone 233423 (DCABY-4244)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The superfamily of insulin-like growth factor (IGF) binding proteins include the six high-affinity IGF binding proteins (IGFBP) and at least four additional low-affinity binding proteins referred to as IGFBP related proteins (IGFBP-rP). All IGFBP superfamily members are cysteine-rich proteins with conserved cysteine residues, which are clustered in the amino- and carboxy-terminal thirds of the molecule. IGFBPs modulate the biological activities of IGF proteins. Some IGFBPs may also have intrinsic bioactivity that is independent of their ability to bind IGF proteins. Post-translational modifications of IGFBP, including glycosylation, phosphorylation and proteolysis, have been shown to modify the affinities of the binding proteins to IGF. ALS (Acid Labile Subunit) is a liver-derived protein that exists in a ternary complex with Insulin-like Growth Factor (IGF)-binding Protein-3 (IGFBP-3) or IGFBP-5, and either IGF-I or IGF-II. ALS increases the half-life of IGF/IGFBP complexes in circulation.
Specificity	Detects mouse IGFBP-6 in ELISAs and Western blots. In Western blots, 10% cross-reactivity with recombinant human (rh)IGFBP-3 and rhIGFBP-5 is observed and no cross-reactivity with rhIGFBP-1, recombinant mouse (rm)IGFBP-1, rhIGFBP-2, rmIGFBP-2, rmIGFBP-3, rhIGFBP-4, rmIGFBP-5, or rhIGFBP-6 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IGFBP-6. Gly24-Gly238 Accession Number P47880
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	233423
Purification	Protein A or G purified from hybridoma culture supernatant

Conjugate	Unconjugated
Applications	Western Blot, ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
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.

GENE INFORMATION

Gene Name	Igfbp6 insulin-like growth factor binding protein 6 [Mus musculus (house mouse)]
Official Symbol	IGFBP6
Synonyms	IGFBP6; insulin-like growth factor binding protein 6; IGFBP-6; insulin-like growth factor-binding protein 6; IBP-6; IGF-binding protein 6; INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 6 PRECURSOR (IGFBP-6) (IBP-6) (IGF-BINDING PROTEIN 6);
Entrez Gene ID	16012
Protein Refseq	NP_032370
UniProt ID	P47880
Chromosome Location	15 F3; 15
Pathway	Metabolism of proteins; Myometrial Relaxation and Contraction Pathways; Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs);
Function	growth factor binding; insulin-like growth factor I binding; insulin-like growth factor II binding; insulin-like growth factor binding;