

Basic Information

Product Name	Anti-IGFBP3 Antibody
Gene Name	IGFBP3
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, ELISA(Cap)
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human IGFBP3 recombinant protein (Position: A29-K267).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	32 kDa
Dilution Ratios	Western blot (WB):1:500-2000 ELISA(Cap): 1:50-1:200

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

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.

Selected Validation Data



Western blot analysis of IGFBP3 using anti-IGFBP3 antibody (A00435-2).

Lane 1: recombinant human IGFBP3 protein 1ng.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-IGFBP3 antigen affinity purified polyclonal antibody (A00435-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for IGFBP3 at approximately 37 kDa.