

## Basic Information

<b>Product Name</b>	Anti-IGFBP3 Antibody
<b>Gene Name</b>	IGFBP3
<b>Source</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human, rat
<b>Tested Application</b>	WB
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence in the middle region of human IGFBP-3.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Immunogen affinity purified.
<b>Observed MW</b>	32 kDa
<b>Dilution Ratios</b>	Western blot (WB):1:500-2000

## Storage

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

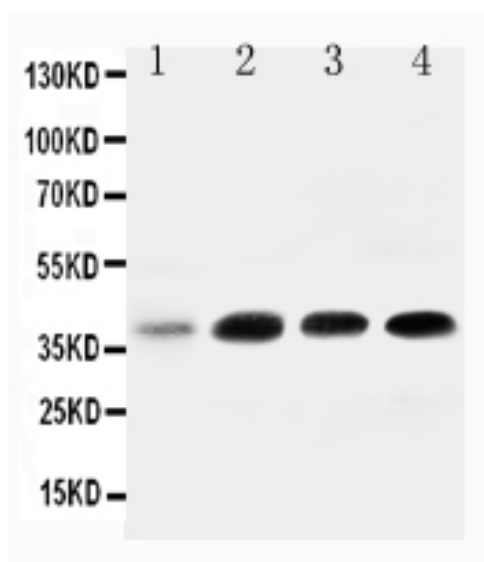
## Background Information

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.

## Reference

Anti-IGFBP3 Antibody被引用在1文献中。

## Selected Validation Data



Western blot analysis of IGFBP3 using anti-IGFBP3 antibody (BA3641). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: 293T whole cell lysates,

Lane 2: MCF-7 whole cell lysates,

Lane 3: A549 whole cell lysates,

Lane 4: SW620 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-IGFBP3 antigen affinity purified polyclonal antibody (BA3641) 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 32 kDa. The expected band size for IGFBP3 is at 32 kDa.