



IGFBP3 (phospho Ser183) Polyclonal Antibody

Catalog No	YP-Ab-15868
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	IGFBP3
Immunogen	The antiserum was produced against synthesized peptide derived from human IGFBP-3 around the phosphorylation site of Ser183. AA range:151-200
Specificity	Phospho-IGFBP3 (S183) Polyclonal Antibody detects endogenous levels of IGFBP3 protein only when phosphorylated at S183.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Acid stable subunit of the 14 K IGF complex;Binding protein 29;Binding protein 53;BP 53;BP53;Growth hormone dependent binding protein;IBP 3;IBP-3;IBP3;IBP3_HUMAN;IGF binding protein 3;IGF-binding protein 3;IGFBP 3;IGFBP-3;IGFBP3;Insulin Like Growth Factor Binding Protein 3;Insulin-like growth factor binding protein 3 precursor;Insulin-like growth factor-binding protein 3
Observed Band	31kD
Calculated Molecular Weight	31kD
Cell Pathway	Secreted .
Tissue Specificity	Expressed by most tissues. Present in plasma.
Function	developmental stage:IGFBP3 levels are higher during extrauterine life and peak during puberty.,domain:The thyroglobulin type-1 domain mediates interaction with HN.,function:IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.,induction:IGFBP3 levels increase in the presence of IGF1, insulin and other growth-stimulating factors such as growth hormone, epidermal growth



factor, and phorbol esters.,online information:The Singapore human mutation and polymorphism database,similarity:Contains 1 IGFBP N-terminal domain.,similarity:Contains 1 thyroglobulin type-1 domain.,subunit:Interacts with XLKD1 (By similarity). Binds IGF2 more than IGF1. Forms a ternary complex of about 140 to 150 kDa with IGF1 or IGF2 and a 85 k

Background

This gene 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. 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. [provided by RefSeq, Jul 2008],

matters needing attention

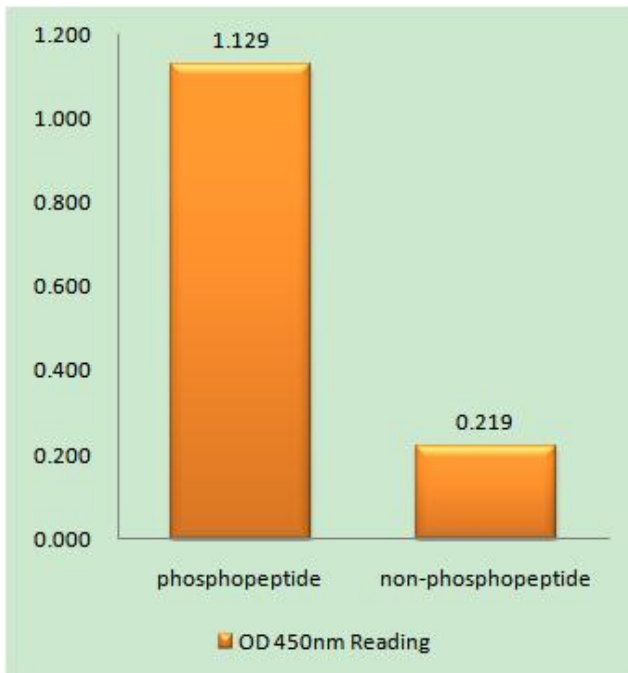
Avoid repeated freezing and thawing!

Usage suggestions

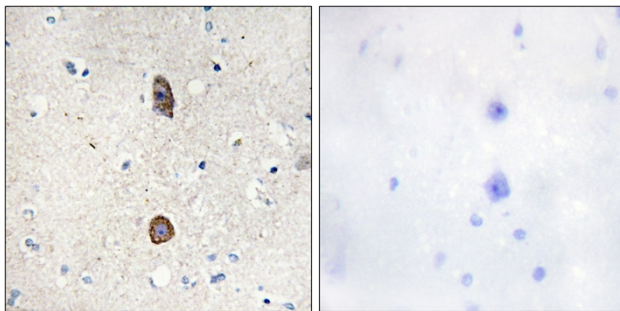
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



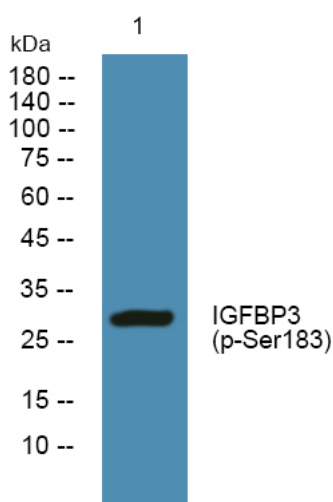
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IGFBP-3 (Phospho-Ser183) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using IGFBP-3 (Phospho-Ser183) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from Jarkat cells, primary antibody was diluted at 1:1000, 4° over night