

IGFBP3 (Phospho Ser183) Rabbit pAb

CatalogNo: YP1001

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 31kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:5000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

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. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):KDsQR

| Target Information

Gene name IGFBP3

Protein Name Insulin-like growth factor-binding protein 3

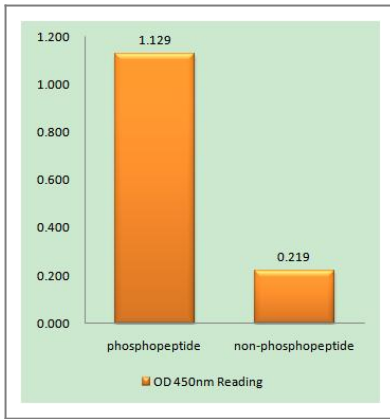
Organism	Gene ID	UniProt ID
Human	3486 ;	P17936 ;
Mouse		P47878 ;

Cellular Localization Secreted .

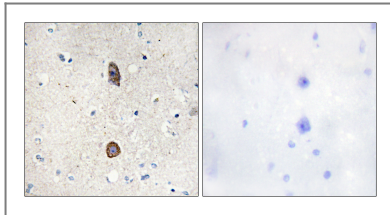
Tissue specificity Expressed by most tissues. Present in plasma.

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 kDa glycoprotein (ALS) . Interacts with HN. ,tissue specificity:Expressed by most tissues. ,

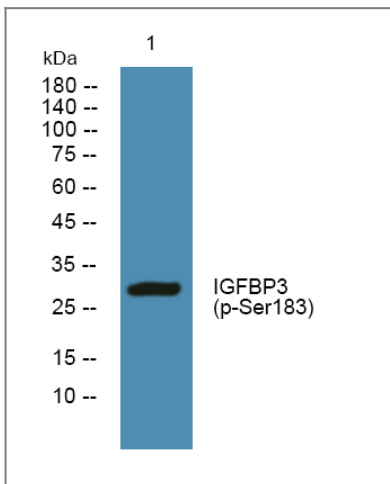
| Validation Data



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 phospho peptide.



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

Contact information

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