

IGFBP7 polyclonal antibody

Catalog: BS7466

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

IGFBP7 (also known as Mac25, TAF, or IGFBP-rP1) belongs to the IGFBP superfamily, which plays an integral role in regulating insulin-like growth factor (IGF) actions in a wide variety of cell types. There are six known high-affinity IGF binding family members (IGFBP1-6), and ten low-affinity IGF binding members. These family members are structurally related, but encoded by distinct genes. IGFBP7 is a low-affinity IGF binding protein. The protein functions through its binding to secreted growth factors including IGF1, insulin, and activin. IGFBP7 levels have been related to cancer development and tissue injury. Loss of expression of IGFBP7 has been associated with poor survival in multiple cancer types and with tumor chemotherapy resistance. IGFBP7 also has been identified as a cell cycle arrest biomarker for human acute kidney injury (AKI) and serves as a prognostic indicator for early stage AKI development.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 34 kDa

Swiss-Prot:

Q16270

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB 1:500 - 1:1000

IHC 1:50 - 1:200

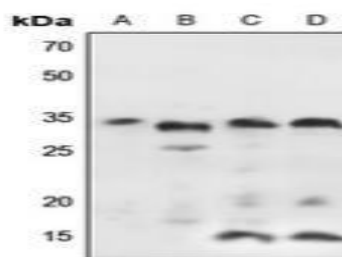
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

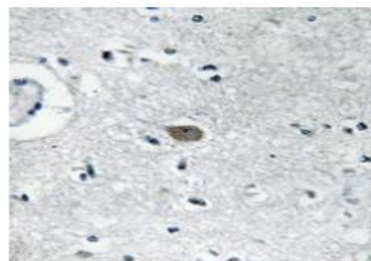
Specificity:

IGFBP7 polyclonal antibody detects endogenous levels of IGFBP7 protein.

DATA:



Western blot analysis of IGFBP7 expression in HeLa (A), mouse lung (B), rat kidney (C), rat lung (D) whole cell lysates.



Immunohistochemical analysis of IGFBP7 staining in human brain formalin fixed paraffin embedded tissue section.

Note:

For research use only, not for use in diagnostic procedure.

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