

IGFBP1 Antibody

Rabbit mAb

Catalog # AP92272

Product Information

Application	WB
Primary Accession	P08833
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	AFBP; IBP1; PP12; IGF-BP25; hIGFBP-1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	27904

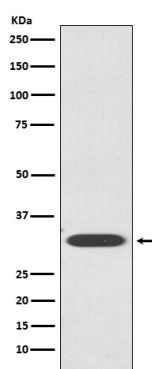
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human IGFBP1
Description	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. Promotes cell migration.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	IGFBP1
Synonyms	IBP1
Function	Multifunctional protein that plays a critical role in regulating the availability of IGFs such as IGF1 and IGF2 to their receptors and thereby regulates IGF-mediated cellular processes including cell migration, proliferation, differentiation or apoptosis in a cell-type specific manner (PubMed: 11397844 , PubMed: 15972819). Also plays a positive role in cell migration by interacting with integrin ITGA5:ITGB1 through its RGD motif (PubMed: 7504269). Mechanistically, binding to integrins leads to activation of focal adhesion kinase/PTK2 and stimulation of the mitogen-activated protein kinase (MAPK) pathway (PubMed: 11397844). Regulates cardiomyocyte apoptosis by suppressing HIF-1alpha/HIF1A ubiquitination and subsequent degradation (By similarity).
Cellular Location	Secreted.

Images



Western blot analysis of IGFBP1 expression in HepG2 cell lysate.

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