

IGFBP1 Polyclonal Antibody

Catalog # AP70468

Product Information

Application	WB, IHC-P
Primary Accession	P08833
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27904

Additional Information

Gene ID	3484
Other Names	IGFBP1; IBP1; Insulin-like growth factor-binding protein 1; IBP-1; IGF-binding protein 1; IGFBP-1; Placental protein 12; PP12
Dilution	WB~~Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

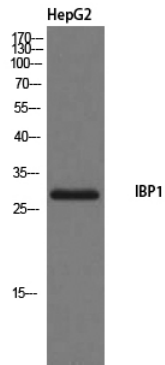
Protein Information

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.

Background

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.

Images



Western Blot analysis of HepG2 cells using IGFBP1 Polyclonal Antibody

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