

IGFBP4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6941c

Product Information

Application	WB, IHC-P, E
Primary Accession	P22692
Other Accession	P24854 , Q05716 , NP_001543.2
Reactivity	Human, Mouse
Predicted	Bovine, Pig, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20480
Calculated MW	27934
Antigen Region	96-124

Additional Information

Gene ID	3487
Other Names	Insulin-like growth factor-binding protein 4, IBP-4, IGF-binding protein 4, IGFBP-4, IGFBP4, IBP4
Target/Specificity	This IGFBP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-124 amino acids from the Central region of human IGFBP4.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	IGFBP4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IGFBP4
Synonyms	IBP4

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.
Cellular Location	Secreted.

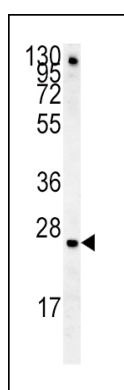
Background

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 binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glycosylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.

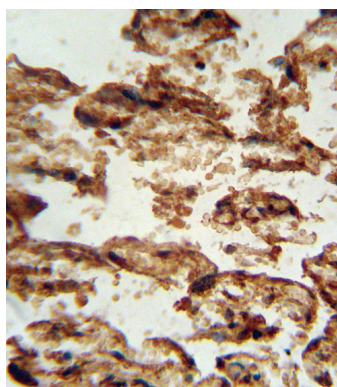
References

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 Bartling, B., et al. Int. J. Mol. Med. 25(1):89-96(2010)
 Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :
 Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)

Images



IGFBP4 Antibody (Center) (Cat. #AP6941c) western blot analysis in mouse lung tissue lysates (15ug/lane). This demonstrates the IGFBP4 antibody detected IGFBP4 protein (arrow).



IGFBP4 antibody (Center) (Cat. #AP6941c) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IGFBP4 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.