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FIBP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13232c

Product Information

Application	WB, E
Primary Accession	O43427
Other Accession	Q9JI19, NP_942600.1, NP_004205.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33059
Calculated MW	41878
Antigen Region	98-127

Additional Information

Gene ID	9158
Other Names	Acidic fibroblast growth factor intracellular-binding protein, aFGF intracellular-binding protein, FGF-1 intracellular-binding protein, FIBP
Target/Specificity	This FIBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-127 amino acids from the Central region of human FIBP.
Dilution	WB~~1:1000 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	FIBP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FIBP
Function	May be involved in mitogenic function of FGF1. May mediate with IER2 FGF-signaling in the establishment of laterality in the embryo (By similarity).

Cellular Location	Nucleus. Endomembrane system; Peripheral membrane protein. Note=Also associated with cytoplasmic membranes, particularly of mitochondria
Tissue Location	Highly expressed in heart, skeletal muscle and pancreas. Expressed at lower levels in brain. Also found in placenta, liver and kidney

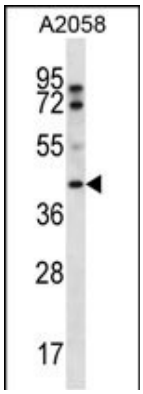
Background

Acidic fibroblast growth factor is mitogenic for a variety of different cell types and acts by stimulating mitogenesis or inducing morphological changes and differentiation. The FIBP protein is an intracellular protein that binds selectively to acidic fibroblast growth factor (aFGF). It is postulated that FIBP may be involved in the mitogenic action of aFGF. Two transcript variants encoding different isoforms have been found for this gene.

References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Giatromanolaki, A., et al. Mediators Inflamm. 2007, 67187 (2007) :
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Skjerpen, C.S., et al. EMBO J. 21(15):4058-4069(2002)

Images



FIBP Antibody (Center) (Cat. #AP13232c) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the FIBP antibody detected the FIBP protein (arrow).

Citations

- Proteomic analysis of the human cyclin-dependent kinase family reveals a novel CDK5 complex involved in cell growth and migration.

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