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FHOD1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16586b

Product Information

Application	WB, E
Primary Accession	Q9Y613
Other Accession	NP_037373.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35565
Calculated MW	126551
Antigen Region	985-1013

Additional Information

Gene ID	29109
Other Names	FH1/FH2 domain-containing protein 1, Formin homolog overexpressed in spleen 1, FHOS, Formin homology 2 domain-containing protein 1, FHOD1, FHOS, FHOS1
Target/Specificity	This FHOD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 985-1013 amino acids from the C-terminal region of human FHOD1.
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	FHOD1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FHOD1
Synonyms	FHOS, FHOS1

Function	Required for the assembly of F-actin structures, such as stress fibers. Depends on the Rho-ROCK cascade for its activity. Contributes to the coordination of microtubules with actin fibers and plays a role in cell elongation. Acts synergistically with ROCK1 to promote SRC-dependent non-apoptotic plasma membrane blebbing.
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton. Cell projection, bleb. Note=Predominantly cytoplasmic
Tissue Location	Ubiquitous. Highly expressed in spleen.

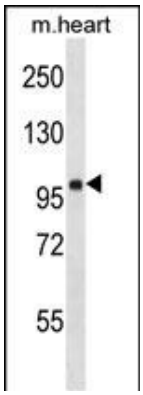
Background

This gene encodes a protein which is a member of the formin/diaphanous family of proteins. The gene is ubiquitously expressed but is found in abundance in the spleen. The encoded protein has sequence homology to diaphanous and formin proteins within the Formin Homology (FH)1 and FH2 domains. It also contains a coiled-coil domain, a collagen-like domain, two nuclear localization signals, and several potential PKC and PKA phosphorylation sites. It is a predominantly cytoplasmic protein and is expressed in a variety of human cell lines. [provided by RefSeq].

References

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Schulte, A., et al. Structure 16(9):1313-1323(2008)
Takeya, R., et al. EMBO J. 27(4):618-628(2008)
Schulte, A., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 63 (PT 10), 878-881 (2007) :
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)

Images



FHOD1 Antibody (C-term) (Cat. #AP16586b) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the FHOD1 antibody detected the FHOD1 protein (arrow).

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