



# FHOD1 rabbit pAb

<b>Catalog No</b>	BYab-12143
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	FHOD1 FHOS FHOS1
<b>Protein Name</b>	FHOD1
<b>Immunogen</b>	Synthesized peptide derived from human FHOD1 AA range: 210-260
<b>Specificity</b>	This antibody detects endogenous levels of FHOD1 at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasm. Cytoplasm, cytoskeleton. Cell projection, bleb. Predominantly cytoplasmic.
<b>Tissue Specificity</b>	Ubiquitous. Highly expressed in spleen.
<b>Function</b>	domain:Regulated by intramolecular binding to a C-terminal auto-inhibitory domain. Effector binding abolishes this interaction and activates the protein.,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.,similarity:Belongs to the formin homology family.,similarity:Contains 1 FH1 (formin homology 1) domain.,similarity:Contains 1 FH2 (formin homology 2) domain.,similarity:Contains 1 GBD/FH3 (Rho GTPase-binding/formin homology 3) domain.,subcellular location:Predominantly cytoplasmic.,subunit:Self-associates via the FH2 domain. Binds to F-actin via its N-terminus. Binds to the cytoplasmic domain of CD21 via its C-terminus.,tissue specificity:Ubiquitous. Highly expressed in spleen.,

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### 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015],

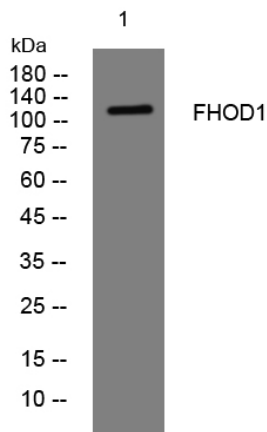
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from HEK293 cells, primary antibody was diluted at 1:1000, 4° over night