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FMN1 Rabbit pAb

Catalog # AP97456

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q68DA7
Other Accession	Q68DA7
Reactivity	Rat, Human
Predicted	Mouse, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	157578
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FMN1/Formin 1
Epitope Specificity	651-750/1419
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the formin homology family. Cappuccino subfamily. Contains 1 FH1 (formin homology 1) domain. Contains 1 FH2 (formin homology 2) domain.
SUBUNIT	Interacts with alpha-catenin and may interact with tubulin (By similarity).
Post-translational modifications	Phosphorylated on serine and possibly threonine residues (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The temporal genetic hierarchy influencing normal limb development can deregulate and mediate mammalian developmental syndromes. In mice, the limb deformity (ld) locus influences normal limb development and gives rise to alternative mRNAs that can translate into a family of proteins known as formins. Formins play a crucial role in cytoskeletal reorganization by influencing Actin filament assembly. Formins co-localize with the actin cytoskeleton and can translocate into the cell cytosol and into the nucleus in an HGF-dependent manner. Vertebrate nuclear formins can control polarizing activity in limb buds through establishment of a Sonic hedgehog/FGF-4 feedback loop. Deficiency mutations at the mammalian ld locus lead to profound developmental defects in limb and kidney formation. The human Formin 1 and 2 genes map to chromosome 15q13.3 and 1q43, respectively.

Additional Information

Gene ID	342184
Other Names	FMN; LD; formin-1; FMN1_HUMAN; FMN1; Limb deformity protein homolog; FMN1_MOUSE; Limb deformity protein; formin 1; formin (limb deformity)

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FMN1
Synonyms	FMN, LD
Function	Plays a role in the formation of adherens junction and the polymerization of linear actin cables.
Cellular Location	Nucleus. Cytoplasm. Cell junction, adherens junction. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Localization to the adherens junctions is alpha-catenin-dependent. Also localizes to F-actin bundles originating from adherens junctions and to microtubules (By similarity)

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