



## Rabbit Anti-FMN1 antibody

SL13185R

<b>Product Name:</b>	FMN1
<b>Chinese Name:</b>	肢体畸形相关蛋白FMN1抗体
<b>Alias:</b>	FMN; Formin 1; Formin1; Formin-1; LD; Limb deformity protein homolog; FMN1 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	157kDa
<b>Cellular localization:</b>	The nucleuscytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human FMN1/Formin 1:651-750/1419
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Function:**

FMN1 plays a role in the formation of adherens junction and the polymerization of linear actin cables. Interacts with alpha-catenin and may interact with tubulin.

**Subunit:**

Interacts with alpha-catenin and may interact with tubulin (By similarity).

**Subcellular Location:**

Nucleus. Cytoplasm. Cell junction, adherens junction; Peripheral membrane protein; Cytoplasmic side.

**Post-translational modifications:**

Phosphorylated on serine and possibly threonine residues (By similarity).

**Similarity:**

Belongs to the formin homology family. Cappuccino subfamily.

Contains 1 FH1 (formin homology 1) domain.

Contains 1 FH2 (formin homology 2) domain.

**SWISS:**

Q68DA7

**Gene ID:**

342184

**Database links:**

[Entrez Gene: 342184](#)Human

[Entrez Gene: 14260](#)Mouse

[Omim: 136535](#)Human

[SwissProt: Q68DA7](#)Human

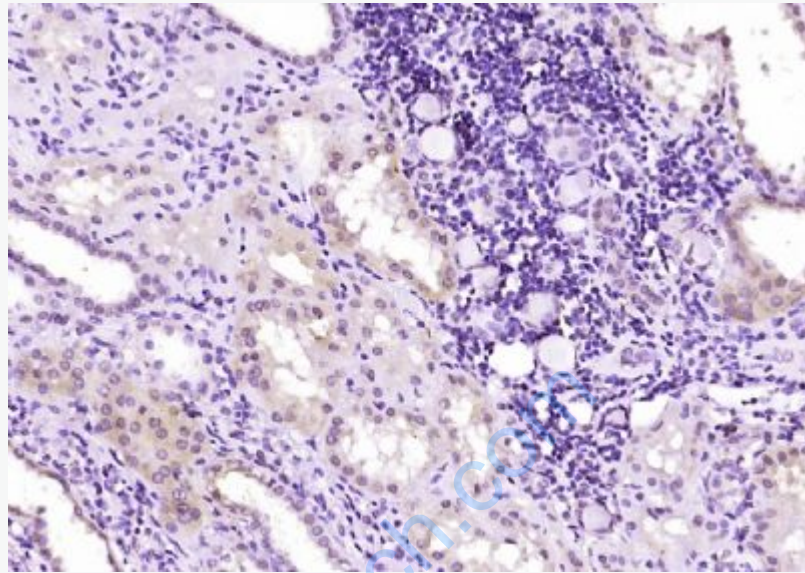
[SwissProt: Q05860](#)Mouse

[Unigene: 657649](#)Human

**Important Note:**

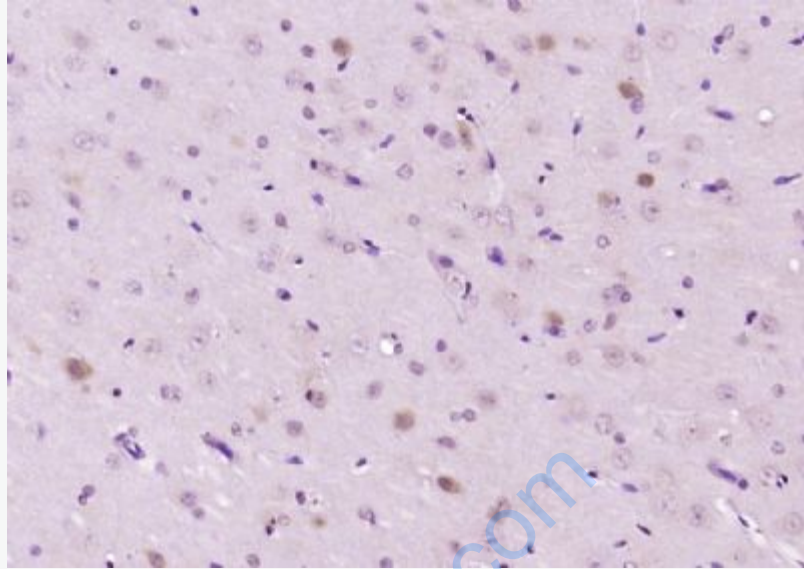
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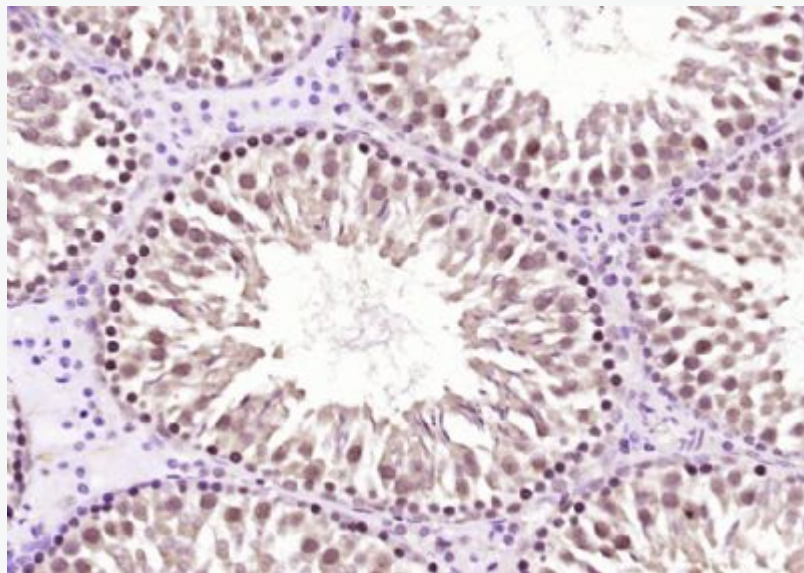


**Picture:**

Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FMN1) Polyclonal Antibody, Unconjugated (SL13185R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FMN1) Polyclonal Antibody, Unconjugated (SL13185R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FMN1) Polyclonal Antibody, Unconjugated (SL13185R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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