10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-FMN1 Picoband Antibody

Catalog # ABO13059

Specification

Anti-FMN1 Picoband Antibody - Product Information

Application	**IHC**
Primary Accession	Q68DA7
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Formin-1(FMN1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-FMN1 Picoband Antibody - Additional Information

Gene ID 342184

Other Names
Formin-1, Limb deformity protein homolog, FMN1, FMN, LD

Calculated MW
157578 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, Human, By Heat
 Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human,

Subcellular Localization
Nucleus . Cytoplasm . Cell junction, adherens junction . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Localization to the adherens junctions is alpha-catenin-dependent. Also localizes to F-actin bundles originating from adherens junctions and to microtubules (By similarity). .

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived human FMN1 recombinant protein (Position: N1195-N1419). Human FMN1 shares 93.8% amino acid (aa) sequence identity with mouse FMN1.

Purification
Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and thawing.**

Anti-FMN1 Picoband Antibody - 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)

Anti-FMN1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-FMN1 Picoband Antibody - Images

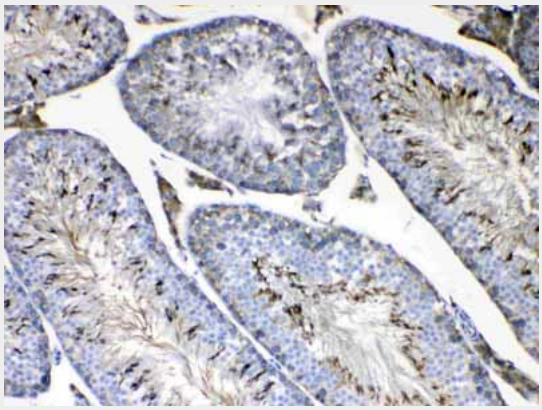

Figure 2. IHC analysis of FMN1 using anti-FMN1 antibody (ABO13059).

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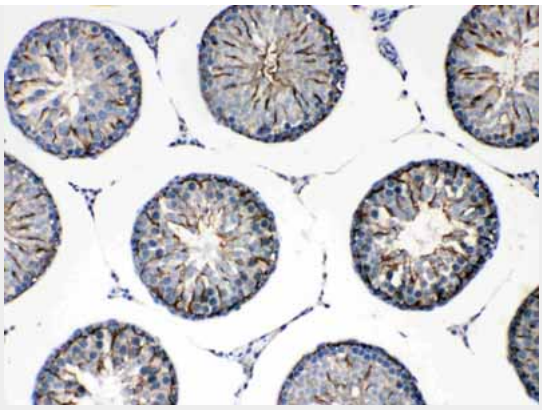

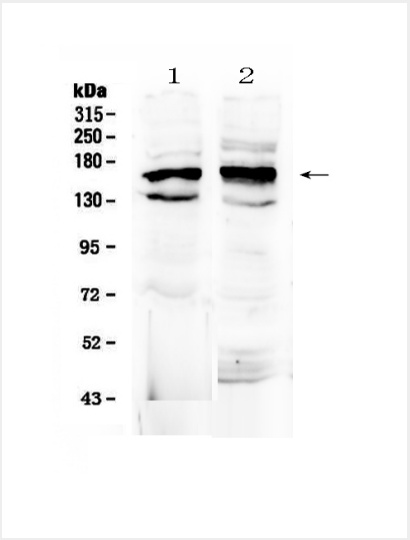

Anti-FMN1 Picoband Antibody - Background

Formins, such as FMN1, are actin-nucleating proteins involved in cell polarity, cytokinesis, cell migration, and transcriptional activity. This FMN1 gene belongs to the formin homology family and encodes a protein that has a role in the formation of adherens junction and the polymerization of linear actin cables. The homologous gene in mouse is associated with limb deformity. Alternatively spliced transcript variants have been found for this gene.