

**LEMD3 / MAN1 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16611****Specification**

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**LEMD3 / MAN1 Antibody (C-Terminus) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, IF, WB            |
| Primary Accession | <a href="#">O9Y2U8</a> |
| Other Accession   | <a href="#">23592</a>  |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 99997                  |

**LEMD3 / MAN1 Antibody (C-Terminus) - Additional Information****Gene ID** 23592**Other Names**

LEMD3, MAN1, LEM domain containing 3

**Target/Specificity**

Human LEMD3. At least three isoforms of LEMD3 are known to exist; this antibody will detect all isoforms. LEMD3 antibody is predicted to not cross-react with LEMD1 and LEMD2

**Reconstitution & Storage**

PBS, 0.02% sodium azide. Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

LEMD3 / MAN1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**LEMD3 / MAN1 Antibody (C-Terminus) - Protein Information****Name** LEMD3**Synonyms** MAN1**Function**

Can function as a specific repressor of TGF-beta, activin, and BMP signaling through its interaction with the R-SMAD proteins. Antagonizes TGF-beta-induced cell proliferation arrest.

**Cellular Location**

Nucleus inner membrane; Multi-pass membrane protein

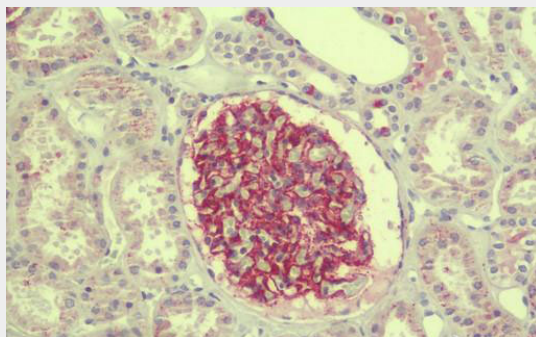
**Tissue Location**

Heart, brain, placenta, lung, liver and skeletal muscle

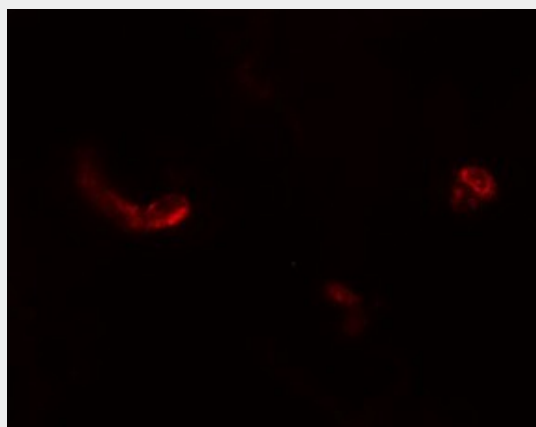
**LEMD3 / MAN1 Antibody (C-Terminus) - Protocols**

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

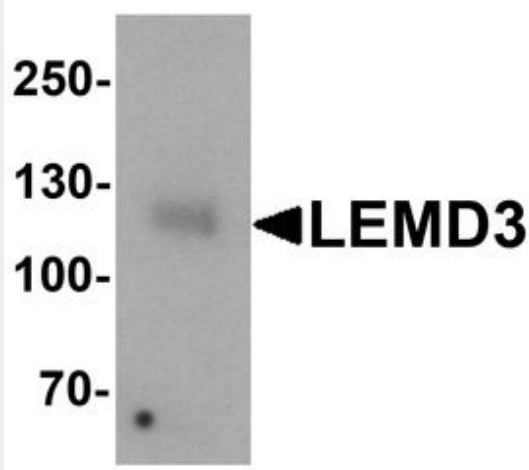
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**LEMD3 / MAN1 Antibody (C-Terminus) - Images**

Anti-LEMD3 / MAN1 antibody IHC staining of human kidney.



Immunofluorescence of LEMD3 in human colon tissue with LEMD3 antibody at 5 µg/mL.



Western blot analysis of LEMD3 in human colon tissue lysate with LEMD3 antibody at 1 ug/ml.

#### **LEMD3 / MAN1 Antibody (C-Terminus) - Background**

Can function as a specific repressor of TGF-beta, activin, and BMP signaling through its interaction with the R-SMAD proteins. Antagonizes TGF-beta-induced cell proliferation arrest.

#### **LEMD3 / MAN1 Antibody (C-Terminus) - References**

Lin F.,et al.J. Biol. Chem. 275:4840-4847(2000).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).  
Hellemans J.,et al.Nat. Genet. 36:1213-1218(2004).  
Lin F.,et al.Hum. Mol. Genet. 14:437-445(2005).  
Pan D.,et al.J. Biol. Chem. 280:15992-16001(2005).