

**LEMD1 Antibody**  
Catalog # ASC11405

**Specification**

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**LEMD1 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q68G75</a>
Other Accession	<a href="#">Q68G75</a> , <a href="#">312261248</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Application Notes	<b>LEMD1 antibody can be used for detection of LEMD1 by Western blot at 1 µg/mL.</b>

**LEMD1 Antibody - Additional Information**

Gene ID **93273**

**Target/Specificity**

LEMD1; At least six isoforms of LEMD1 are known to exist; this antibody will detect the longest isoform. LEMD1 antibody is predicted to not cross-react with LEMD2 and LEMD3.

**Reconstitution & Storage**

LEMD1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

LEMD1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**LEMD1 Antibody - Protein Information**

**Name** LEMD1

**Cellular Location**

Membrane; Single-pass membrane protein

**Tissue Location**

Testis-specific. Isoform 6 is detected in 17 of 18 colon cancer tissues examined.

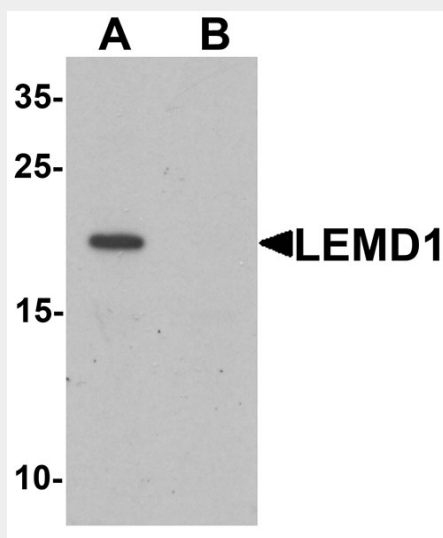
**LEMD1 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)

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

#### LEMD1 Antibody - Images



Western blot analysis of LEMD1 in A20 cell lysate with LEMD1 antibody at 1  $\mu$ g/mL in (A) the absence and (B) the presence of blocking peptide.

#### LEMD1 Antibody - Background

LEMD1 Antibody: LEMD1 (LEM domain-containing1) is a member of cancer-testis gene family. LEMD1 is normally expressed only in testis. Six alternatively spliced forms of LEMD1 transcripts in normal testis have been identified, but only one of the six was expressed in colorectal cancers. LEMD1 may represent a promising target antigen for immunotherapy of colorectal cancers. In addition, LEMD1 and SPATA19 are putative cancer biomarkers and promising targets for active immunotherapy.

#### LEMD1 Antibody - References

Yuki D, Lin YM, Fujii Y, et al. Isolation of LEM domain-containing 1, a novel testis-specific gene expressed in colorectal cancers. *Oncol. Rep.* 2004; 12:275-80  
Ghafouri-Fard S, Ousati Ashtiani Z, Sabah Golian B, et al. Expression of two testis-specific genes, SPATA19 and LEMD1, in prostate cancer. *Arch. Med. Res.* 2010; 41:195-200