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LEMD1 Antibody

Catalog # ASC11405

Product Information

Application	WB, E
Primary Accession	Q68G75
Other Accession	Q68G75, 312261248
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	20326
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	LEMD1 antibody can be used for detection of LEMD1 by Western blot at 1 g/mL.

Additional Information

Gene ID	93273
Other Names	LEM domain-containing protein 1, Cancer/testis antigen 50, CT50, LEM domain protein 1, LEMP-1, LEMD1
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℃ for three months and -20℃, 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.

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.

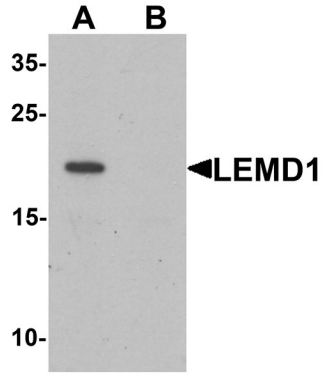
Background

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.

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

Images



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