

## LASS6 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant LASS6.

Catalog # AT2677a

### Specification

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#### LASS6 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	<a href="#">O6ZMG9</a>
Other Accession	<a href="#">NM_203463</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	44890

#### LASS6 Antibody (monoclonal) (M01) - Additional Information

Gene ID 253782

##### Other Names

Ceramide synthase 6, CerS6, LAG1 longevity assurance homolog 6, CERS6, LASS6

##### Target/Specificity

LASS6 (NP\_982288, 62 a.a. ~ 131 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### Dilution

WB ~ 1:500 ~ 1000

##### Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### Precautions

LASS6 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

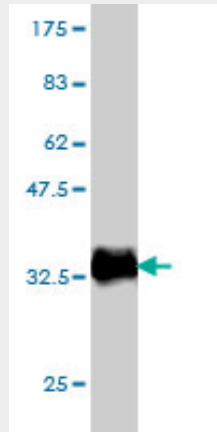
#### LASS6 Antibody (monoclonal) (M01) - Protocols

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

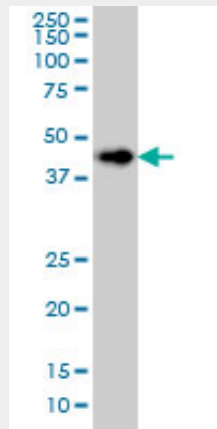
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

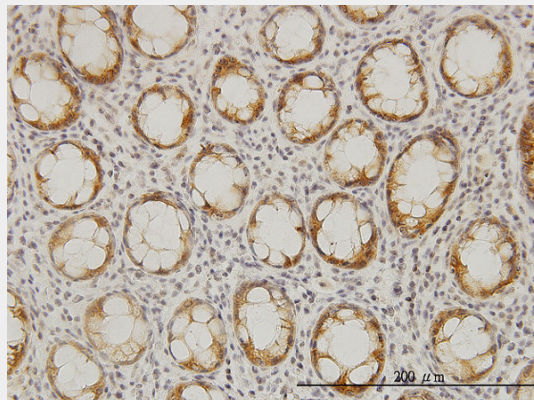
### LASS6 Antibody (monoclonal) (M01) - Images



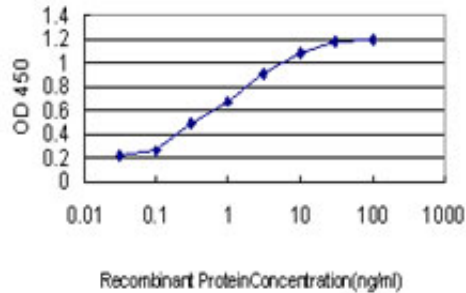
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.44 kDa) .



LASS6 monoclonal antibody (M01), clone 5H7 Western Blot analysis of LASS6 expression in HeLa (Cat # AT2677a )



Immunoperoxidase of monoclonal antibody to LASS6 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged LASS6 is approximately 0.03ng/ml as a capture antibody.

### LASS6 Antibody (monoclonal) (M01) - References

1. Bcl2L13 is a ceramide synthase inhibitor in glioblastoma. Jensen SA, Calvert AE, Volpert G, Kouri FM, Hurley LA, Luciano JP, Wu Y, Chalastanis A, Futerman AH, Stegh AH. *Proc Natl Acad Sci U S A*. 2014 Apr 15;111(15):5682-7. doi: 10.1073/pnas.1316700111. Epub 2014 Mar 31.

2. Modulation of ceramide synthase activity via dimerization. Laviad EL, Kelly S, Merrill AH Jr, Futerman AH. *J Biol Chem*. 2012 Apr 26.

3. D,L-threo-1-phenyl-2-decanoylamino-3-morpholino-1-propanol (DL-PDMP) increases endoplasmic reticulum stress, autophagy and apoptosis accompanying ceramide accumulation via ceramide synthase 5 protein expression in A549 cells. Yamane M, Miyazawa K, Moriya S, Abe A, Yamane S. *Biochimie*. 2011 May 7. [Epub ahead of print]

4. Ceramide synthases 2, 5, and 6 confer distinct roles in radiation-induced apoptosis in HeLa cells. Mesicek J, Lee H, Feldman T, Jiang X, Skobeleva A, Berdyshev EV, Haimovitz-Friedman A, Fuks Z, Kolesnick R. *Cell Signal*. 2010 Apr 18. [Epub ahead of print]

5. Acid ceramidase 1 expression correlates with a better prognosis in ER-positive breast cancer. Ruckhaberle E, Holtrich U, Engels K, Hanker L, Gatje R, Metzler D, Karn T, Kaufmann M, Rody A. *Climacteric*. 2009 Jul 31:1-12. [Epub ahead of print]