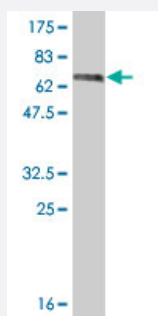


LASS2 monoclonal antibody (M01A), clone 1A6

Catalog # H00029956-M01A

Size 200 uL

Applications



Western Blot detection against Immunogen (67.32 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant LASS2.
Immunogen	LASS2 (AAH01357, 1 a.a. ~ 380 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MLQTLDYFWWERLWLPVNL TWADLED RDGRVYAKASDLYITLPLALLFLVRYFFELYVATPLAAL LNIKEKTRLRAPPNATLEHFYLTSGKQPKQVEVELLSRQSGLSGRQVERWFRRRRNQDRPSLLKK FREASWRFTFYLIAFIAGMAVVDKPFYDMKKVWEGYPIQSTIPSQYWYMIELSFYWSLLFSIASD VKRKDFKEQIIHHVATIILISFSWFANYIRAGTLIMALHDSSDYLLSAKMFNYAGWKNTCNNIFVFAV FIITRLVILPFWILHCTLVYPLELYPAFFGYFFNSMMGVLQLLHIFWAYLILRMAHKFITGKLVEDERS DREETESSEGEAAAAGGGAKSRPLANGHPILNNNHRKND
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Isotype	IgM Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (67.32 KDa) .
Storage Buffer	In ascites fluid

Storage Instruction

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

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — LASS2**Entrez GeneID** [29956](#)**GeneBank Accession#** [BC001357](#)**Protein Accession#** [AAH01357](#)**Gene Name** LASS2**Gene Alias** CerS2, FLJ10243, L3, MGC987, SP260, TMSG1**Gene Description** LAG1 homolog, ceramide synthase 2**Omim ID** [606920](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes a protein that has sequence similarity to yeast longevity assurance gene 1. Mutation or overexpression of the related gene in yeast has been shown to alter yeast lifespan. The human protein may play a role in the regulation of cell growth. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]

Other Designations LAG1 longevity assurance 2|OTTHUMP00000033028|ceramide synthase 2|longevity assurance (LAG1, S. cerevisiae) homolog 2|tumor metastasis-suppressor

Publication Reference

- [Endoplasmic reticulum stress and mitochondrial dysfunction during aging: Role of sphingolipids.](#)

Qun Chen, Anna Kovilakath, Jeremy Allegood, Jeremy Thompson, Ying Hu, L Ashley Cowart, Edward J Lesnefsky.
Biochimica et Biophysica Acta. Molecular and Cell Biology of Lipids 2023 Oct; 1868(10):159366.

Application: WB, Mouse, Heart

- [Loss of ceramide synthase 2 activity, necessary for myelin biosynthesis, precedes tau pathology in the cortical pathogenesis of Alzheimer's Disease.](#)

Couttas TA, Kain N, Suchowerska AK, Quek L, Turner N, Fath T, Garner B, Don AS.

Neurobiology of Aging 2016 Apr; 43:89.

Application: WB-Ti, Human, Human brain

- [siRNA-mediated down-regulation of ceramide synthase 1 leads to apoptotic resistance in human head and neck squamous carcinoma cells after photodynamic therapy.](#)

Separovic D, Breen P, Joseph N, Bielawski J, Pierce JS, VAN Buren E, Gudiz TI.

Anticancer research 2012 Jul; 32(7):2479.

Application: WB-Tr, Human, UM-SCC-22A cells

- [Ceramide synthase 6 knockdown suppresses apoptosis after photodynamic therapy in human head and neck squamous carcinoma cells.](#)

Separovic D, Breen P, Joseph N, Bielawski J, Pierce JS, VAN Buren E, Gudiz TI.

Anticancer Research 2012 Mar; 32(3):753.

Application: WB-Ce, Human, Treated UM-SCC-22A

Disease

- [Kidney Failure](#)