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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Lass1 (non-GDF1). Rabbit Polyclonal Antibody

BACKGROUND

LAG1 is a longevity gene, the first such gene to be identified. Originally cloned from the yeast *Saccharomyces cerevisiae*. A close homolog of this gene, LAC1, has been found in the yeast genome. The human homolog of LAG1 has functions in human aging. LAG1 may be involved in neurodegenerative diseases and human aging. Lass1 may be either a bona fide (dihydro)ceramide synthase or a modulator of its activity. When overexpressed in cells is involved in the production of sphingolipids containing mainly one fatty acid donor (N-linked stearyl- (C18) ceramide) in a fumonisin B1-independent manner. Located in the endoplasmic reticulum membrane; LAss1 is a multi-pass membrane protein.

ORDERING INFORMATION

CATALOG NUMBER

X2083P

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Western Blot

SPECIES REACTIVITY

Human

ACCESSION NUMBER

P27544, Human

IMMUNOGEN

Synthetic peptide derived from the C-terminal human Lass1 protein.

POSITIVE CONTROL/TISSUE EXPRESSION

Hypothalamus

COMMENTS

Antibody can be used for Western blotting (1-5 µg/ml starting dilution). Other uses not yet tested. Only reacts with human Lass1 protein. Does not cross react with other species. Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

[1] Lee S.-J.; Expression of growth/differentiation factor 1 in the nervous system: conservation of a bicistronic structure.; Proc. Natl. Acad. Sci. U.S.A. 88:4250-4254(1991).

[2] Jiang J.C., Kirchman P.A., Zagulski M., Hunt J., Jazwinski S.M.; Homologs of the yeast longevity gene LAG1 in *Caenorhabditis elegans* and human.; Genome Res. 8:1259-1272(1998).

[3] Grimwood J., et al.; The DNA sequence and biology of human chromosome 19.; Nature 428:529-535(2004).

[4] The MGC Project Team; The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC).; Genome Res. 14:2121-2127(2004).