

GLYATL2 (E-16): sc-247023

BACKGROUND

GLYATL2 (glycine N-acyltransferase-like protein 2), also known as acyl-CoA: glycine N-acyltransferase-like protein 2, is a 294 amino acid mitochondrial acyltransferase that transfers the acyl group to the N-terminus of glycine. GLYATL2 can also conjugate a multitude of substrates, including oleoyl-CoA and arachidonoyl-CoA, to form a variety of N-acylglycines. A member of the glycine N-acyltransferase family, GLYATL2 is encoded by a gene that maps to human chromosome 11q12.1. Chromosome 11 houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GLYATL2 (human) mapping to 11q12.1.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

SOURCE

GLYATL2 (E-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of GLYATL2 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-247023 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

GLYATL2 (E-16) is recommended for detection of GLYATL2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with GLYATL1 or GLYATL3.

Suitable for use as control antibody for GLYATL2 siRNA (h): sc-96946, GLYATL2 shRNA Plasmid (h): sc-96946-SH and GLYATL2 shRNA (h) Lentiviral Particles: sc-96946-V.

Molecular Weight of GLYATL2: 34 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker[™] Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz[™] Mounting Medium: sc-24941.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.