

NMT2 (G-18): sc-47215

BACKGROUND

N-terminal myristoylation is a cotranslational lipid modification, which is crucial for the targeting and function of many signaling proteins. The N-myristoyltransferases (NMT1 and NMT2), also known as glycylopeptide N-tetradecan-oyltransferases, are cytoplasmic proteins that belong to the NMT family of proteins. The proteins in this family catalyze the addition of a myristoyl group to the N-terminal glycine residue of eukaryotic, fungal and viral proteins. They are primarily detected in heart, gut, kidney, liver and placenta.

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CHROMOSOMAL LOCATION

Genetic locus: NMT2 (human) mapping to 10p13; Nmt2 (mouse) mapping to 2 A1.

SOURCE

NMT2 (G-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of NMT2 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-47215 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

NMT2 (G-18) is recommended for detection of NMT2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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).

NMT2 (G-18) is also recommended for detection of NMT2 in additional species, including equine, bovine, porcine and avian.

Suitable for use as control antibody for NMT2 siRNA (h): sc-61134, NMT2 siRNA (m): sc-61135, NMT2 shRNA Plasmid (h): sc-61134-SH, NMT2 shRNA Plasmid (m): sc-61135-SH, NMT2 shRNA (h) Lentiviral Particles: sc-61134-V and NMT2 shRNA (m) Lentiviral Particles: sc-61135-V.

Molecular Weight of NMT2: 60 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.

RESEARCH USE

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

PROTOCOLS

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


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Try **NMT2 (30): sc-136005**, our highly recommended monoclonal alternative to NMT2 (G-18).