

NAALADL2 (1G5): sc-517173

BACKGROUND

NAALADL2 (N-acetylated α -linked acidic dipeptidase-like 2), also known as inactive N-acetylated- α -linked acidic dipeptidase-like protein 2, is a 795 amino acid single-pass type II membrane protein that belongs to the peptidase M28 family and M28B subfamily. Existing as two alternatively spliced isoforms, NAALADL2 is expressed at highest levels in placenta and kidney, and has also been observed in certain embryonic tissues. NAALADL2 may be catalytically inactive. The gene encoding NAALADL2 maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci. Key tumor suppressing genes on chromosome 3 include those that encode the apoptosis mediator RASSF1, the cell migration regulator HYAL1 and the angiogenesis suppressor SEMA3B. Marfan syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: NAALADL2 (human) mapping to 3q26.31.

SOURCE

NAALADL2 (1G5) is a mouse monoclonal antibody raised against amino acids 696-795 representing partial length NAALADL2 of human origin.

PRODUCT

Each vial contains 100 μ g IgG_{2a} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

NAALADL2 (1G5) is recommended for detection of NAALADL2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

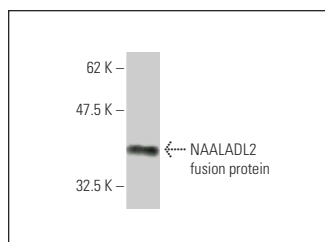
Suitable for use as control antibody for NAALADL2 siRNA (h): sc-78542, NAALADL2 shRNA Plasmid (h): sc-78542-SH and NAALADL2 shRNA (h) Lentiviral Particles: sc-78542-V.

Molecular Weight of NAALADL2 isoforms: 89/36 kDa.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker[™] Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



NAALADL2 (1G5): sc-517173. Western blot analysis of human recombinant NAALADL2 fusion protein.

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 for detailed protocols and support products.