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PAFAH1B2 (m): 293T Lysate: sc-122352

BACKGROUND

PAFAH1B2 (platelet-activating factor acetylhydrolase IB subunit β), also known as PAFAHB, is a 229 amino acid cytoplasmic protein that belongs to the GDSL lipolytic enzyme family and the platelet-activating factor acetylhydrolase IB β/γ subunits subfamily. A ubiquitously expressed catalytic subunit of the cytosolic PAFAH1B heterotrimeric complex, PAFAH1B2 inactivates PAF by removing the acetyl group at the sn-2 position. Along with the β subunit, PAFAH1B is made up of α and γ subunits. The gene that encodes PAFAH1B2 consists of approximately 32,628 bases and maps to human chromosome 11q23.3. 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 map to chromosome 11.

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CHROMOSOMAL LOCATION

Genetic locus: Pafah1b2 (mouse) mapping to 9 A5.2.

PRODUCT

PAFAH1B2 (m): 293T Lysate represents a lysate of mouse PAFAH1B2 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

PAFAH1B2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive PAFAH1B2 antibodies. Recommended use: 10-20 μ l per lane.

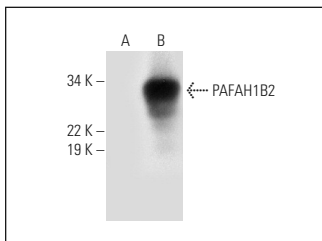
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PAFAH1B2 (E-9): sc-393217 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse PAFAH1B2 expression in PAFAH1B2 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

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, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



PAFAH1B2 (E-9): sc-393217. Western blot analysis of PAFAH1B2 expression in non-transfected: sc-117752 (A) and mouse PAFAH1B2 transfected: sc-122352 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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.