

PAFAH1B2 (N-14): sc-168888

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.

CHROMOSOMAL LOCATION

Genetic locus: PAFAH1B2 (human) mapping to 11q23.3; Pafah1b2 (mouse) mapping to 9 A5.2.

SOURCE

PAFAH1B2 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of PAFAH1B2 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-168888 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

PAFAH1B2 (N-14) is recommended for detection of PAFAH1B2 of mouse, rat and 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)], 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 PAFAH1B3.

PAFAH1B2 (N-14) is also recommended for detection of PAFAH1B2 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for PAFAH1B2 siRNA (h): sc-96312, PAFAH1B2 siRNA (m): sc-151992, PAFAH1B2 shRNA Plasmid (h): sc-96312-SH, PAFAH1B2 shRNA Plasmid (m): sc-151992-SH, PAFAH1B2 shRNA (h) Lentiviral Particles: sc-96312-V and PAFAH1B2 shRNA (m) Lentiviral Particles: sc-151992-V.

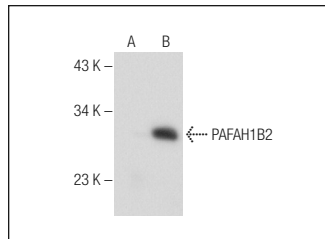
Molecular Weight of PAFAH1B2: 30 kDa.

Positive Controls: PAFAH1B2 (m): 293T Lysate: sc-122352.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



PAFAH1B2 (N-14): sc-168888. Western blot analysis of PAFAH1B2 expression in non-transfected: sc-117752 (A) and mouse PAFAH1B2 transfected: sc-122352 (B) 293T whole cell lysates.

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.



Try **PAFAH1B2 (E-9): sc-393217** or **PAFAH1B2 (A-6): sc-393216**, our highly recommended monoclonal alternatives to PAFAH1B2 (N-14).