

BLOS2 (I-12): sc-161392

BACKGROUND

The biogenesis of lysosome-related organelles complex 1 (BLOC-1) is a ubiquitously expressed multisubunit protein complex that is required for the normal synthesis of organelles of the endosomal-lysosomal system, such as platelet dense granules and melanosomes. Defects in any of the subunits of BLOC-1 results in Hermansky-Pudlak syndrome, a genetic hypopigmentation and bleeding disorder. BLOS2 (Biogenesis of lysosome-related organelles complex 1 subunit 2), also known as Centrosome-associated protein, is a 142 amino acid protein that is one of the components of BLOC-1. Localizing to the centrosomes in a microtubule-dependent manner, BLOS2 may play a role in cell proliferation. There are two isoforms of BLOS2 that are produced as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: BLOC1S2 (human) mapping to 10q24.31; Bloc1s2 (mouse) mapping to 19 C3.

SOURCE

BLOS2 (I-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of BLOS2 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-161392 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

BLOS2 (I-12) is recommended for detection of BLOS2 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 BLOS1 or BLOS3.

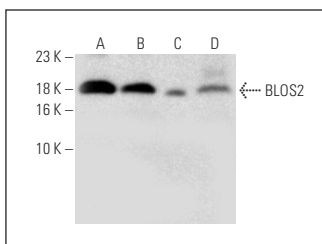
BLOS2 (I-12) is also recommended for detection of BLOS2 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for BLOS2 siRNA (h): sc-90595, BLOS2 siRNA (m): sc-141712, BLOS2 shRNA Plasmid (h): sc-90595-SH, BLOS2 shRNA Plasmid (m): sc-141712-SH, BLOS2 shRNA (h) Lentiviral Particles: sc-90595-V and BLOS2 shRNA (m) Lentiviral Particles: sc-141712-V.

Molecular Weight of BLOS2: 18 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, mouse spleen extract: sc-2391 or LADMAC whole cell lysate.

DATA



BLOS2 (I-12): sc-161392. Western blot analysis of BLOS2 expression in HeLa (A), LADMAC (B), WI 38 (C) whole cell lysates and mouse spleen (D) tissue extract.

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.