SANTA CRUZ BIOTECHNOLOGY, INC.

PLAA (C-17): sc-130236

BACKGROUND

WD-repeats are motifs that are found in a variety of proteins and are characterized by a conserved core of 40-60 amino acids that commonly form a tertiary propeller structure. While proteins that contain WD-repeats participate in a wide range of cellular functions, they are generally involved in regulatory mechanisms concerning chromatin assembly, cell cycle control, signal transduction, RNA processing, apoptosis and vesicular trafficking. PLAA, also known as PLAP (phospholipase A-2-activating protein) or DOA1, is a 795 amino acid protein that contains one PFU domain, one PUL domain and seven WD repeats. Via its regulatory domains, PLAA interacts with and activates phospholipase A2 (PLA2), thereby playing an important role in the regulation of inflammatory disease processes.

REFERENCES

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STORAGE

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

CHROMOSOMAL LOCATION

Genetic locus: PLAA (human) mapping to 9p21.2.

SOURCE

PLAA (C-17) is a purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of PLAA of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

PLAA (C-17) is recommended for detection of PLAA of human origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for PLAA siRNA (h): sc-92631, PLAA shRNA Plasmid (h): sc-92631-SH and PLAA shRNA (h) Lentiviral Particles: sc-92631-V.

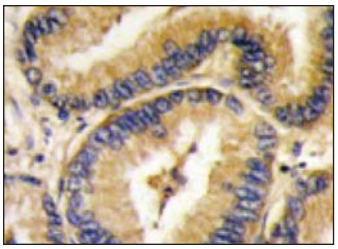
Molecular Weight of PLAA: 73 kDa.

Positive Controls: human lung carcinoma tissue.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 2) Immunohistochemistry: use ImmunoCruz™: sc-2051 or ABC: sc-2018 rabbit IgG Staining Systems.

DATA



PLAA (C-17): sc-130236. Immunoperoxidase staining of formalin fixed, paraffin-embedded human lung carcinoma tissue showing cytoplasmic staining.

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.