SANTA CRUZ BIOTECHNOLOGY, INC.

PLEKHA4 (h2): 293T Lysate: sc-173420

BACKGROUND

PLEKHA4 (pleckstrin homology domain-containing family A member 4), also known as PEPP1 (phosphoinositol 3-phosphate-binding protein 1), is a 779 amino acid protein that contains one Pleckstrin homology (PH) domain, which is found in proteins that are involved in intracellular signaling. PLEKH4A specifically binds to PtdIns3P (phosphatidylinositol-3-phosphate), a phospholipid that resides on early endosomes, but not to other phosphoinositides. Though detected at low levels in normal skeletal muscle, small intestine, liver, heart and kidney, PLEKHA4 is found to be highly expressed in melanoma. The gene encoding PLEKH4 maps to human chromosome 19q13.33, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. There are two isoforms of PLEKHA4 that are produced as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PLEKHA4 (human) mapping to 19q13.33.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

PLEKHA4 (h2): 293T Lysate represents a lysate of human PLEKHA4 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

PLEKHA4 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive PLEKHA4 antibodies. Recommended use: 10-20 µl per lane.

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

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.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.