

PLEKHJ1 (C-16): sc-243827

BACKGROUND

PLEKHJ1 (pleckstrin homology domain containing, family J member 1), also known as GNRPX (guanine nucleotide-releasing protein x), is a 149 amino acid phosphoprotein that contains one PH (pleckstrin homology) domain and is expressed in testis and liver. The gene that encodes PLEKHJ1 maps to human chromosome 19, which consists of approximately 63 million bases and makes up over 2% of human genomic DNA. Chromosome 19 contains the greatest gene density of the human chromosomes and is the genetic home for a number of immunoglobulin superfamily members, including killer cell and leukocyte Ig-like receptors, ICAMs, the CEACAM and PSG families, and Fc α receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and Insulin-dependent diabetes are also linked to chromosome 19.

REFERENCES

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3. Grimwood, J., et al. 2004. The DNA sequence and biology of human chromosome 19. *Nature* 428: 529-535.
4. Parham, P. 2005. Immunogenetics of killer cell immunoglobulin-like receptors. *Mol. Immunol.* 42: 459-462.
5. Vikelis, M., et al. 2007. A novel CADASIL-causing mutation in a stroke patient. *Swiss Med. Wkly.* 137: 323-325.
6. Schraders, M., et al. 2008. Integrated genomic and expression profiling in mantle cell lymphoma: identification of gene-dosage regulated candidate genes. *Br. J. Haematol.* 143: 210-221.
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CHROMOSOMAL LOCATION

Genetic locus: PLEKHJ1 (human) mapping to 19p13.3; Plekhj1 (mouse) mapping to 10 C1.

SOURCE

PLEKHJ1 (C-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of PLEKHJ1 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-243827 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

PLEKHJ1 (C-16) is recommended for detection of PLEKHJ1 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).

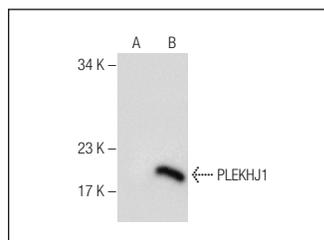
PLEKHJ1 (C-16) is also recommended for detection of PLEKHJ1 in additional species, including canine, bovine, porcine and avian.

Suitable for use as control antibody for PLEKHJ1 siRNA (h): sc-97180, PLEKHJ1 siRNA (m): sc-152319, PLEKHJ1 shRNA Plasmid (h): sc-97180-SH, PLEKHJ1 shRNA Plasmid (m): sc-152319-SH, PLEKHJ1 shRNA (h) Lentiviral Particles: sc-97180-V and PLEKHJ1 shRNA (m) Lentiviral Particles: sc-152319-V.

Molecular Weight of PLEKHJ1: 18 kDa.

Positive Controls: PLEKHJ1 (m): 293T Lysate: sc-122636.

DATA



PLEKHJ1 (C-16): sc-243827. Western blot analysis of PLEKHJ1 expression in non-transfected: sc-117752 (A) and mouse PLEKHJ1 transfected: sc-122636 (B) 293T whole cell lysates.

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.



Try **PLEKHJ1 (H-10): sc-514666**, our highly recommended monoclonal alternative to PLEKHJ1 (C-16).