

OCIAD1 (S-17): sc-160621

BACKGROUND

OCIAD1 (OCIA domain containing 1), also known as OCIA (ovarian carcinoma immunoreactive antigen), TPA018 or ASRIJ, is a 245 amino acid endosomal protein that contains one OCIA domain and belongs to the OCIAD1 family. OCIAD1 exists as two alternatively spliced isoforms (termed OCIAD1 isoform A and B) that localize to different tissues; isoform A localizes to prostate, brain, mammary gland, testis, placenta and ovary, whereas isoform B is restricted to the central nervous system. The gene encoding OCIAD1 maps to human chromosome 4, which represents approximately 6% of the human genome, contains nearly 900 genes and is associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

REFERENCES

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3. Singhrao, S.K., et al. 1998. Huntingtin protein colocalizes with lesions of neurodegenerative diseases: An investigation in Huntington's, Alzheimer's, and Pick's diseases. *Exp. Neurol.* 150: 213-222.
4. Krakow, D., et al. 2000. Exclusion of the Ellis-van Creveld region on chromosome 4p16 in some families with asphyxiating thoracic dystrophy and short-rib polydactyly syndromes. *Eur. J. Hum. Genet.* 8: 645-648.
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6. Dobson, C.M., et al. 2002. Identification of the gene responsible for the cblA complementation group of vitamin B12-responsive methylmalonic acidemia based on analysis of prokaryotic gene arrangements. *Proc. Natl. Acad. Sci. USA* 99: 15554-15559.
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CHROMOSOMAL LOCATION

Genetic locus: OCIAD1 (human) mapping to 4p11; Ociad1 (mouse) mapping to 5 C3.2.

SOURCE

OCIAD1 (S-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of OCIAD1 of human origin.

STORAGE

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

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-160621 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

OCIAD1 (S-17) is recommended for detection of OCIAD1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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 OCIAD2.

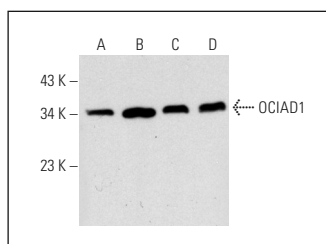
OCIAD1 (S-17) is also recommended for detection of OCIAD1 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for OCIAD1 siRNA (h): sc-88922, OCIAD1 siRNA (m): sc-150170, OCIAD1 shRNA Plasmid (h): sc-88922-SH, OCIAD1 shRNA Plasmid (m): sc-150170-SH, OCIAD1 shRNA (h) Lentiviral Particles: sc-88922-V and OCIAD1 shRNA (m) Lentiviral Particles: sc-150170-V.

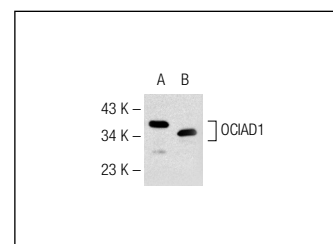
Molecular Weight of OCIAD1: 28 kDa.

Positive Controls: OCIAD1 (h): 293T Lysate: sc-110825, HeLa whole cell lysate: sc-2200 or WI-38 whole cell lysate: sc-364260.

DATA



OCIAD1 (S-17): sc-160621. Western blot analysis of OCIAD1 expression in non-transfected 293T: sc-117752 (A), human OCIAD1 transfected 293T: sc-110825 (B), HeLa (C) and WI-38 (D) whole cell lysates.



OCIAD1 (S-17): sc-160621. Western blot analysis of OCIAD1 expression in HeLa (A) and LADMAC (B) 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.

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Try **OCIAD1 (E-12): sc-390906**, our highly recommended monoclonal alternative to OCIAD1 (S-17).