

# OCIAD1 (N-16): sc-160619

## 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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2. Howard, T.D., et al. 1997. Autosomal dominant postaxial polydactyly, nail dystrophy, and dental abnormalities map to chromosome 4p16, in the region containing the Ellis-van Creveld syndrome locus. *Am. J. Hum. Genet.* 61: 1405-1412.
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.
5. Sommardahl, C., et al. 2001. Phenotypic variations of orpk mutation and chromosomal localization of modifiers influencing kidney phenotype. *Physiol. Genomics* 7: 127-134.
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.
7. Sengupta, S., et al. 2008. Ovarian cancer immuno-reactive antigen domain containing 1 (OCIAD1), a key player in ovarian cancer cell adhesion. *Gynecol. Oncol.* 109: 226-233.

## CHROMOSOMAL LOCATION

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

## SOURCE

OCIAD1 (N-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus 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-160619 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

OCIAD1 (N-16) 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.

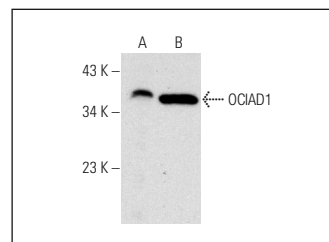
OCIAD1 (N-16) is also recommended for detection of OCIAD1 in additional species, including equine, canine and bovine.

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 (N-16): sc-160619. Western blot analysis of OCIAD1 expression in non-transfected: sc-117752 (A) and human OCIAD1 transfected: sc-110825 (B) 293T whole cell lysates.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.



Try **OCIAD1 (E-12): sc-390906**, our highly recommended monoclonal alternative to OCIAD1 (N-16).