

OCIAD2 Antibody

Catalog # ASC11007

Product Information

Application	WB, IF, E
Primary Accession	Q56VL3
Other Accession	NP_001014446 , 62244044
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	16954
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	OCIAD2 antibody can be used for detection of OCIAD2 by Western blot at 0.5 - 1 μ g/mL. Antibody can also be used for immunofluorescence starting at 5 μ g/mL. For immunofluorescence start at 5 μ g/mL.

Additional Information

Gene ID	132299
Other Names	OCIA domain-containing protein 2, Ovarian carcinoma immunoreactive antigen-like protein, OCIAD2
Target/Specificity	OCIAD2;
Reconstitution & Storage	OCIAD2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	OCIAD2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OCIAD2
Function	Has an essential role in the assembly of mitochondrial respiratory chain complex III (PubMed: 35080992). Is also required for STAT3 activation and plays a role in cell migration (PubMed: 29743632).
Cellular Location	Endosome. Mitochondrion. Mitochondrion inner membrane

Background

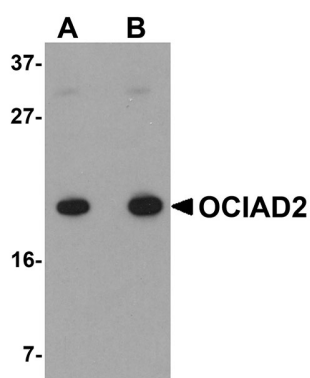
OCIAD2 Antibody: OCIAD2 was identified by its sequence similarity with OCIAD1, and together OCIAD1 and OCIAD2 form the OCIA domain family. OCIAD2 mRNA was found to be expressed at higher levels in invasive adenocarcinoma mixed subtype with bronchioloalveolar carcinoma component (BAC) of the lung. Loss of OCIAD2 expression was significantly correlated with lymphatic invasion, blood vessel invasion, and lymph node metastasis, indicating that OCIAD2 may play a role in cell adhesion and prevention of cell migration. While the function of OCIAD2 is still unknown, its expression in adenocarcinoma with BAC component is significantly associated with a favorable prognosis and may serve as a marker for selecting tumors that are treatable by limited surgery.

References

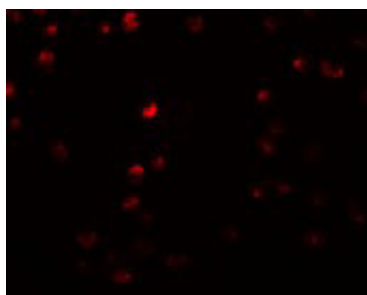
Strausberg RL, Feingold EA, Grouse LH, et al. Mammalian gene collection program team. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. *Proc. Natl. Acad. Sci. USA* 2002; 99:16899-903.

Ishiyama T, Kano J, Anami Y, et al. OCIA domain containing 2 is highly expressed in adenocarcinoma mixed subtype with bronchioloalveolar carcinoma component and is associated with better prognosis. *Cancer Sci.* 2006; 98:50-7.

Images



Western blot analysis of OCIAD2 in A549 cell lysate with OCIAD2 antibody at (A) 0.5 and (B) 1 μ g/mL.



Immunofluorescence of OCIAD2 in A549 cells with OCIAD2 antibody at 5 μ g/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.