

For Research Use Only

OCIAD1 Monoclonal antibody

Catalog Number: 66698-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 66698-1-Ig	GenBank Accession Number: BC003409	Purification Method: Protein A purification
Size: 150ul , Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 54940	CloneNo.: 1C10C3
Source: Mouse	UNIPROT ID: Q9NX40	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:50-1:500 IF-P 1:200-1:800 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: OCIA domain containing 1	
Immunogen Catalog Number: AG9977	Calculated MW: 28 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IF-P, ELISA	Positive Controls: WB : HeLa cells, rat testis tissue, mouse testis tissue IHC : human liver cancer tissue, human kidney tissue, human pancreas cancer tissue, human thyroid cancer tissue, mouse testis tissue IF-P : human liver cancer tissue, HeLa cells IF/ICC : HeLa cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

OCIAD1 was first identified by immunoscreening of an ovarian carcinoma cDNA expression library with ascites fluid from ovarian cancer patients (PMID: 11162530). OCIAD1 has been reported as a key player in ovarian cancer cell adhesion, as well as a key player in generating ovarian cancer recurrence (PMID: 18328549; 20515946). In addition to its roles in cancer, OCIAD1 participates in maintaining stem cell potency by regulating the Jak/STAT pathway (PMID: 23972987). Several alternatively spliced forms of OCIAD1 gene have been identified. The longest form (1.4 kb) is predicted to encode for a 27.6 kDa protein of 245 amino acids. This antibody detects OCIAD1 with an apparent molecular weight of ~35 kDa as has been demonstrated by several researches (PMID: 27345969; 27345976).

Notable Publications

Author	Pubmed ID	Journal	Application
Maxence Le Vasseur	34034859	Elife	WB

Storage

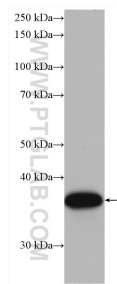
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

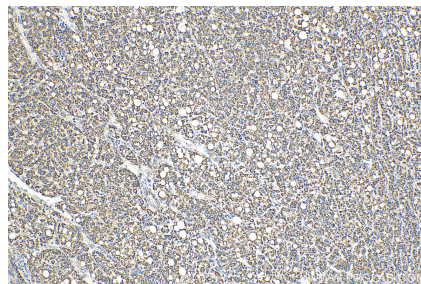
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

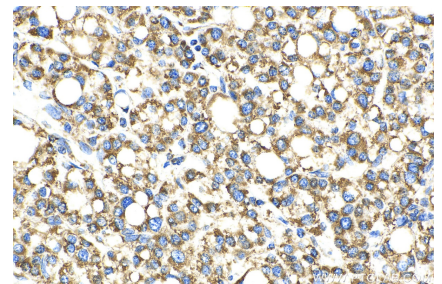
Selected Validation Data



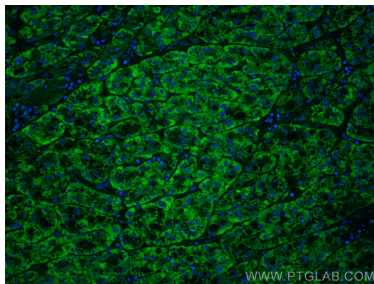
HeLa cells were subjected to SDS PAGE followed by western blot with 66698-1-Ig (OCIAD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



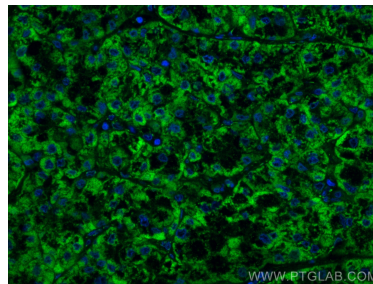
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66698-1-Ig (OCIAD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



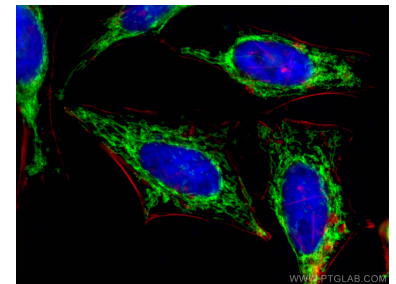
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66698-1-Ig (OCIAD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using OCIAD1 antibody (66698-1-Ig, Clone: 1C10C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using OCIAD1 antibody (66698-1-Ig, Clone: 1C10C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using OCIAD1 antibody (66698-1-Ig, Clone: 1C10C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).