For Research Use Only

OCIAD1 Monoclonal antibody, PBS Only (Capture)

Catalog Number:66698-1-PBS Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66698-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG9977

GenBank Accession Number:
BC003409

GeneID (NCBI):
54940

UNIPROT ID:
Q9NX40

Full Name:
OCIA domain containing 1

Calculated MW:
28 kDa

Observed MW:
35 kDa

Purification Method:
Protein A purification

CloneNo.:
1C10C3

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

66698-1-PBS targets OCIAD1 as part of a matched antibody pair:

MP50614-1: 66698-1-PBS capture and 66698-2-PBS detection (validated in Cytometric bead array)

MP50614-2: 66698-1-PBS capture and 66698-3-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

Background Information

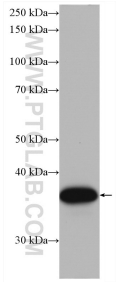
OCIAD1 was first identified by immunoscreening of an ovarian carcinoma cDNA expression library with ascites fluid from ovarian cancer patients (PMID: 11162530). OCIAD1 has been reported as a key player in ovarian cancer cell adhesion, as well as a key player in generating ovarian cancer recurrence (PMID: 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).

Storage

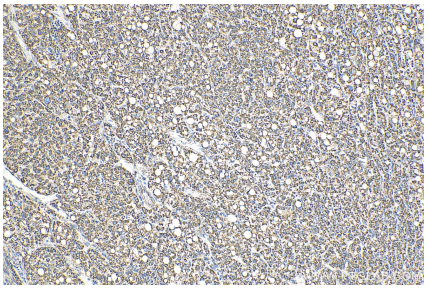
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

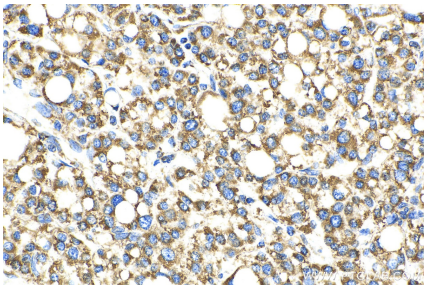
Selected Validation Data



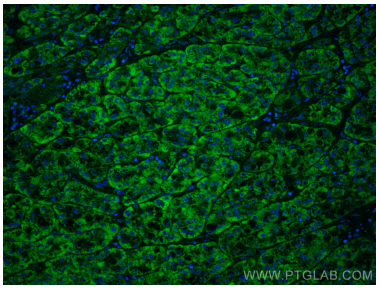
HeLa cells were subjected to SDS PAGE followed by western blot with 66698-1-Ig (OCIAD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66698-1-PBS in a different storage buffer formulation.



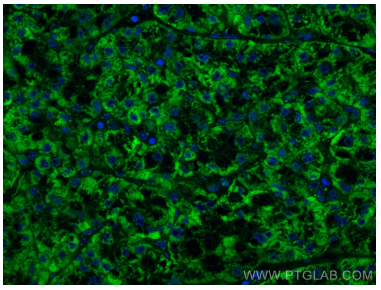
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66698-1-Ig (OCIAD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66698-1-PBS in a different storage buffer formulation.



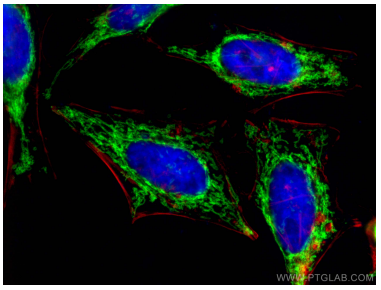
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66698-1-Ig (OCIAD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66698-1-PBS in a different storage buffer formulation.



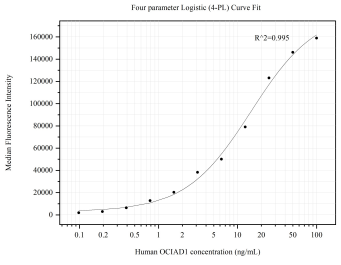
Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using OCIAD1 antibody (66698-1-Ig, Clone: 1C10C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66698-1-PBS in a different storage buffer formulation.



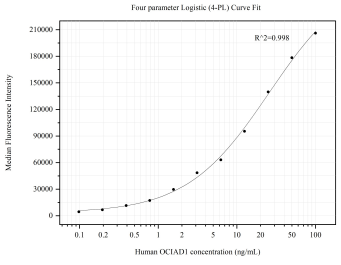
Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using OCIAD1 antibody (66698-1-Ig, Clone: 1C10C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66698-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66698-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50614-1, OCIAD1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66698-1-PBS. Detection antibody: 66698-2-PBS. Standard:Ag9977. Range: 0.098-100 ng/mL.



Cytometric bead array standard curve of MP50614-2, OCIAD1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66698-1-PBS. Detection antibody: 66698-3-PBS. Standard:Ag9977. Range: 0.098-100 ng/mL.