

For Research Use Only

EPCAM/CD326 Monoclonal antibody, PBS Only



Catalog Number: 66316-1-PBS

Featured Product

Basic Information

Catalog Number:

66316-1-PBS

Size:

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

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG15393

GenBank Accession Number:

BC014785

GeneID (NCBI):

4072

UNIPROT ID:

P16422

Full Name:

epithelial cell adhesion molecule

Calculated MW:

314 aa, 35 kDa

Observed MW:

35-40 kDa

Purification Method:

Protein A purification

CloneNo.:

2A2D5

Applications

Tested Applications:

WB, IF, IHC, ELISA

Species Specificity:

human

Background Information

Epithelial cell adhesion molecule (EpCAM, CD326) is a type I transmembrane glycoprotein that functions as a homophilic, epithelial-specific intercellular cell-adhesion molecule. In addition to cell adhesion, EpCAM is also involved in cellular signaling, cell migration, proliferation, and differentiation. EpCAM is highly expressed on most carcinomas and therefore of potential use as a diagnostic and prognostic marker for a variety of carcinomas, and has become a therapeutic target. EpCAM may occur in distinct forms due to glycosylation. (PMID: 20837599; 19249674; 21576002; 22647938; 12691820)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS only

Aliquoting is unnecessary for -20°C storage

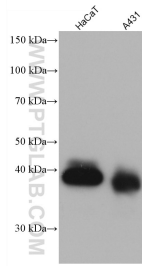
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

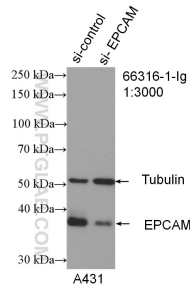
E: proteintech@ptglab.com
W: ptglab.com

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

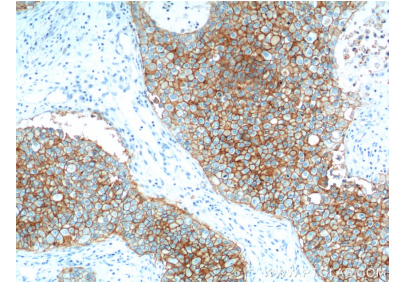
Selected Validation Data



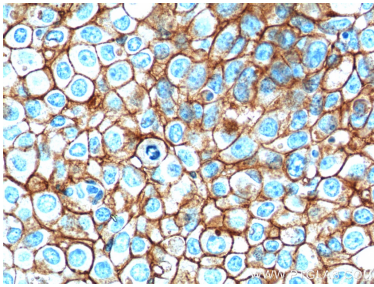
Various lysates were subjected to SDS PAGE followed by western blot with 66316-1-Ig (EPCAM antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66316-1-PBS in a different storage buffer formulation.



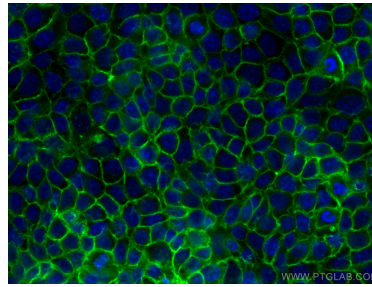
WB result of EPCAM antibody (66316-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EPCAM transfected A431 cells. This data was developed using the same antibody clone with 66316-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66316-1-Ig (EPCAM Antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66316-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66316-1-Ig (EPCAM Antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66316-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using EPCAM antibody (66316-1-Ig, Clone: 2A2D5) 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 66316-1-PBS in a different storage buffer formulation.