

For Research Use Only

Cytokeratin 7 Monoclonal antibody, PBS Only



Catalog Number: 66483-1-PBS

Featured Product

Basic Information

Catalog Number:

66483-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG7895

GenBank Accession Number:

BC002700

GeneID (NCBI):

3855

UNIPROT ID:

P08729

Full Name:

keratin 7

Calculated MW:

469 aa, 51 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

2E1G5

Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

Human

Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT7, also named as cytokeratin 7, is one member of type II basic cytokeratin. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels, and their neoplasms. KRT7 is marker of epithelial tissues, but not present in carcinomas of stratified squamous cell origin. This antibody is specifically against KRT7.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

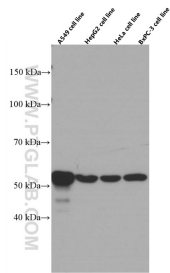
T: 4006900926

E: Proteintech-CN@ptglab.com

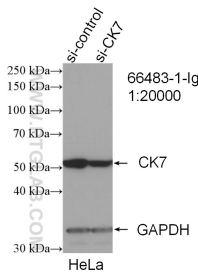
W: ptgcn.com

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

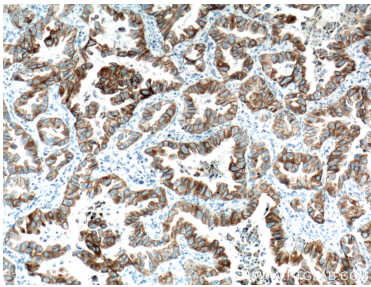
Selected Validation Data



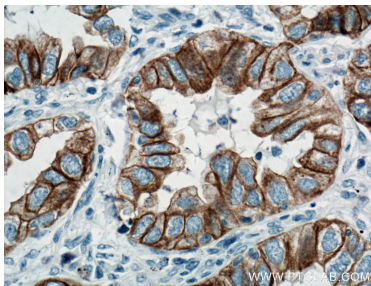
Various lysates were subjected to SDS PAGE followed by western blot with 66483-1-Ig (CK7 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66483-1-PBS in a different storage buffer formulation.



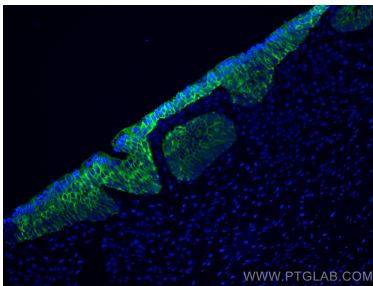
WB result of CK7 antibody (66483-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CK7 transfected HeLa cells. This data was developed using the same antibody clone with 66483-1-PBS in a different storage buffer formulation.



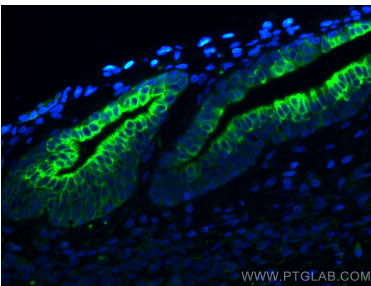
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66483-1-Ig (CK7 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66483-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66483-1-Ig (CK7 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66483-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using Cytokeratin 7 antibody (66483-1-Ig, Clone: 2E1G5) 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 66483-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using Cytokeratin 7 antibody (66483-1-Ig, Clone: 2E1G5) 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 66483-1-PBS in a different storage buffer formulation.