

For Research Use Only

Biotin-conjugated Cytokeratin 7 Monoclonal antibody

Catalog Number: Biotin-66483

Featured Product



Basic Information

Catalog Number:

Biotin-66483

GenBank Accession Number:

BC002700

Purification Method:

Protein A purification

Size:

100ul , Concentration: 1000 ug/ml by

Nanodrop;

GeneID (NCBI):

3855

CloneNo.:

2E1G5

Source:

Mouse

UNIPROT ID:

P08729

Recommended Dilutions:

IHC 1:50-1:500

Isotype:

IgG2a

Full Name:

keratin 7

Calculated MW:

469 aa, 51 kDa

Immunogen Catalog Number:

AG7895

Applications

Tested Applications:

IHC

Positive Controls:

IHC : human lung cancer tissue,

Species Specificity:

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

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

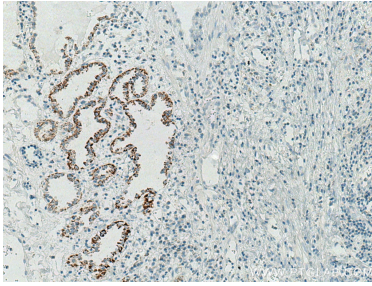
For technical support and original validation data for this product please contact:

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

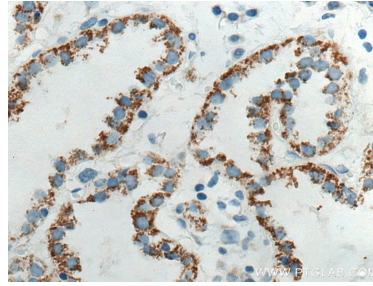
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using Biotin-66483 (Cytokeratin 7 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 lung cancer tissue slide using Biotin-66483 (Cytokeratin 7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).