

For Research Use Only

Cytokeratin 7 Monoclonal antibody

Catalog Number: 68296-1-Ig



Basic Information

Catalog Number:

68296-1-Ig

GenBank Accession Number:

BC002700

Purification Method:

Protein G purification

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 667 ug/ml by Bradford method using BSA as the standard;

GeneID (NCBI):

3855

CloneNo.:

3G2H1

UNIPROT ID:

P08729

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:4150-1:16600

Source:

Mouse

Full Name:

keratin 7

Isotype:

IgG1

Calculated MW:

469 aa, 51 kDa

Immunogen Catalog Number:

AG7895

Applications

Tested Applications:

WB, IHC, ELISA

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

Positive Controls:

WB : EC109 cells, HeLa cells, HaCat cells, A431 cells, A549 cells, BxPC-3 cells, T-47D cells

IHC : human lung cancer tissue, human endometrial cancer tissue, human ovary tumor tissue, human pancreas cancer tissue

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 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 a marker of epithelial tissues, but not present in carcinomas of stratified squamous cell origin.

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

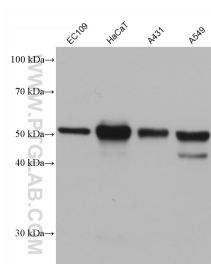
For technical support and original validation data for this product please contact:

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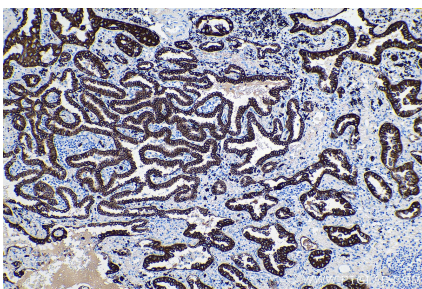
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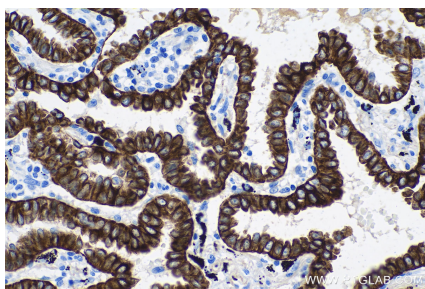
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68296-1-Ig (Cytokeratin 7 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68296-1-Ig (Cytokeratin 7 antibody) at dilution of 1:8300 (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 68296-1-Ig (Cytokeratin 7 antibody) at dilution of 1:8300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).