

# Cytokeratin 7 Monoclonal antibody, PBS Only

Catalog Number: 68296-1-PBS

## Basic Information

**Catalog Number:**

68296-1-PBS

**Size:**

1 mg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG7895

**GenBank Accession Number:**

BC002700

**GeneID (NCBI):**

3855

**UNIPROT ID:**

P08729

**Full Name:**

keratin 7

**Calculated MW:**

469 aa, 51 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3G2H1

## Applications

**Tested Applications:**

WB, IHC, ELISA

**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 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:**

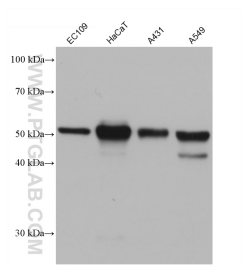
Store at -80°C.

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

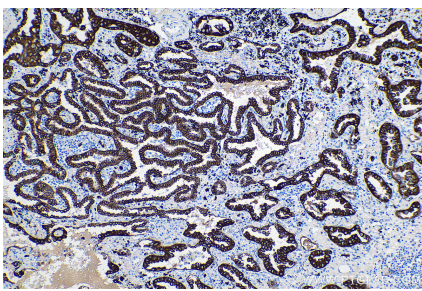
**Storage Buffer:**

PBS only

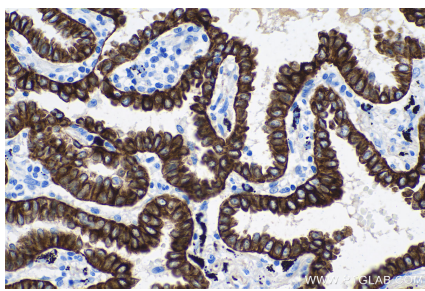
Selected Validation Data



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. This data was developed using the same antibody clone with 68296-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68296-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68296-1-PBS in a different storage buffer formulation.