

For Research Use Only

Cytokeratin 7 Monoclonal antibody, PBS Only



Catalog Number: 68296-1-PBS

Basic Information

Catalog Number: 68296-1-PBS	GenBank Accession Number: BC002700	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3855	CloneNo.: 3G2H1
Source: Mouse	UNIPROT ID: P08729	
Isotype: IgG1	Full Name: keratin 7	
Immunogen Catalog Number: AG7895	Calculated MW: 469 aa, 51 kDa	

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

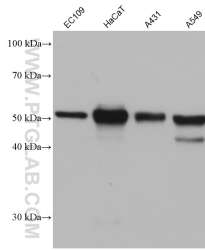
Storage:
Store at -80°C.

Storage Buffer:
PBS only

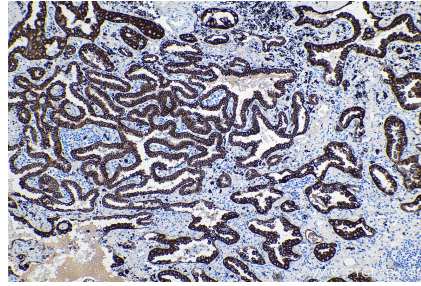
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

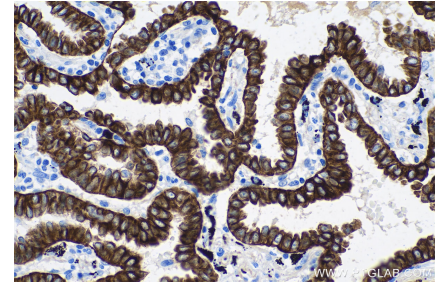
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.