

For Research Use Only

pan-keratin Polyclonal antibody, PBS Only

Catalog Number: 26411-1-PBS



Basic Information

Catalog Number: 26411-1-PBS	GenBank Accession Number: BC024292	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3852	
Source: Rabbit	UNIPROT ID: P13647	
Isotype: IgG	Full Name: keratin 5	
Immunogen Catalog Number: AG24184	Calculated MW: 590 aa, 62 kDa	
	Observed MW: 46-58 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, ELISA

Species Specificity:
human, mouse

Background Information

Pan-keratin, also known as pan-cytokeratin, refers to a group of antibodies that recognize a broad array of keratin proteins. Keratins are a large family of intermediate filament (IF) proteins that provide structural integrity to epithelial cells. These proteins are essential for maintaining cell shape, strength, and resilience. The keratin gene family is divided into two major groups: type I keratins (acidic) and type II keratins (basic), with 27 type I and 26 type II keratin genes in humans. Pan-keratin immunostaining is widely used in pathology and research due to its ability to detect a variety of keratin proteins, making it a valuable tool for identifying epithelial cells and tissues. This staining technique is particularly useful in the diagnosis of tumors, as it can help distinguish between epithelial and non-epithelial neoplasms. This antibody is a pan-keratin antibody.

Storage

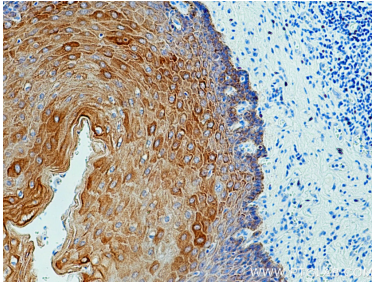
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

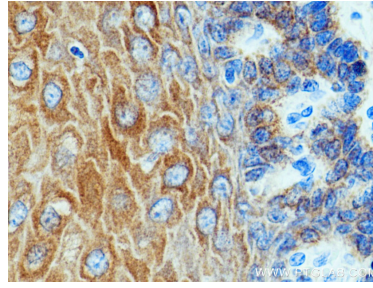
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

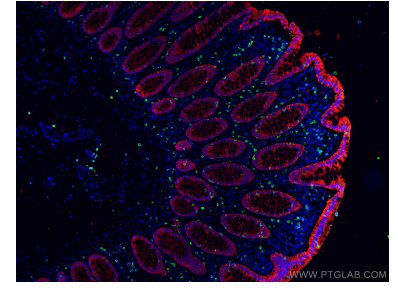
Selected Validation Data



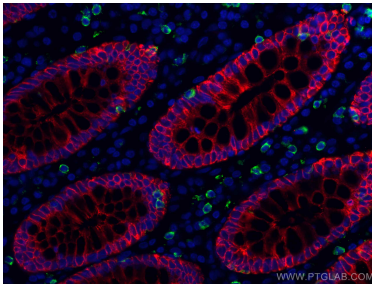
Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 26411-1-AP (pan-keratin antibody) at dilution of 1:3000 (under 10x lens). This data was developed using the same antibody clone with 26411-1-PBS in a different storage buffer formulation.



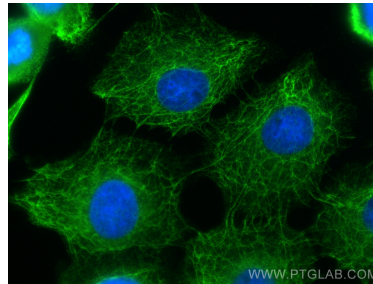
Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 26411-1-AP (pan-keratin antibody) at dilution of 1:3000 (under 40x lens). This data was developed using the same antibody clone with 26411-1-PBS in a different storage buffer formulation.



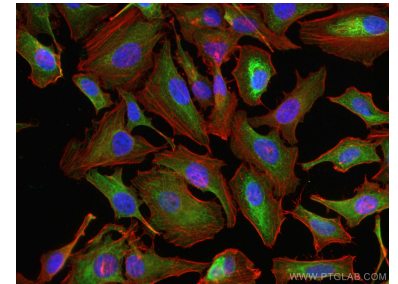
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using pan-keratin antibody (26411-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CD8 antibody (66868-1-Ig, Clone: 1G2B10, green). This data was developed using the same antibody clone with 26411-1-PBS in a different storage buffer formulation.



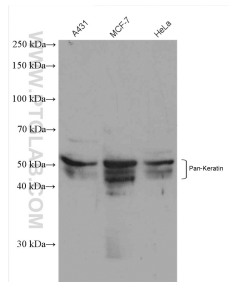
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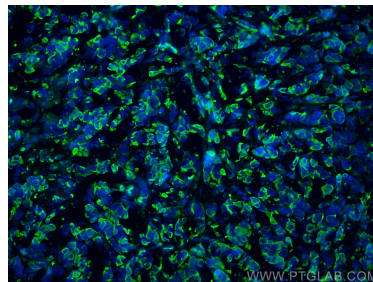
Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using pan-keratin antibody (26411-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 26411-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using pan-keratin antibody (26411-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 26411-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 26411-1-AP (pan-keratin antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26411-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse breast cancer using pan-keratin antibody (26411-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 26411-1-PBS in a different storage buffer formulation.