For Research Use Only

pan-keratin Polyclonal antibody, PBS Only

Catalog Number:26411-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
26411-1-PBS

Size:

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG24184

GenBank Accession Number:
BC024292

GeneID (NCBI):
3852

UNIPROT ID:
P13647

Full Name:
keratin 5

Calculated MW:
590 aa, 62 kDa

Observed MW:
46-58 kDa

Purification Method:
Antigen affinity purification

Applications

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

Species Specificity:
human

Background Information

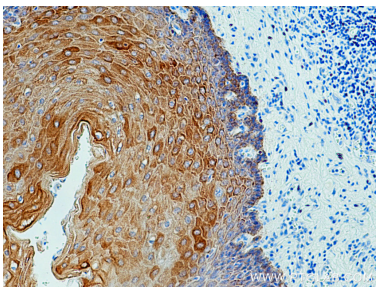
Pan-keratin, also known as pan-cytokeratin, refers to a group of antibodies that recognize a broad array of keratin proteins. Keratins are a large family of intermediate filament (IF) proteins that provide structural integrity to epithelial cells. These proteins are essential for maintaining cell shape, 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

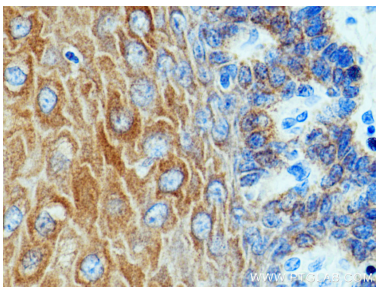
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

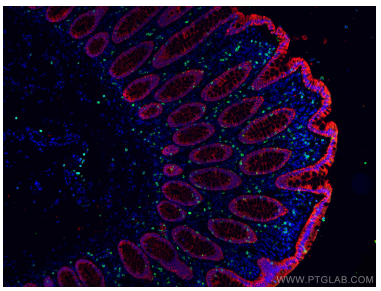
Selected Validation Data



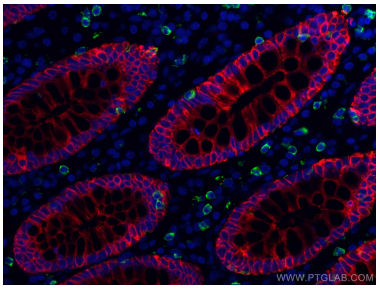
Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 26411-1-AP (pan-keratin antibody) at dilution of 1:3000 (under 10x lens).. This data was developed using the same antibody clone with 26411-1-PBS in a different storage buffer formulation.



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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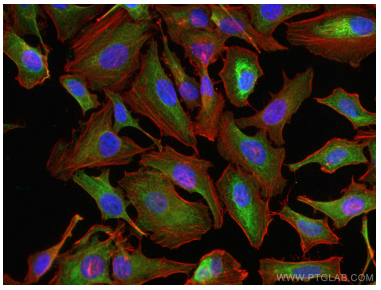
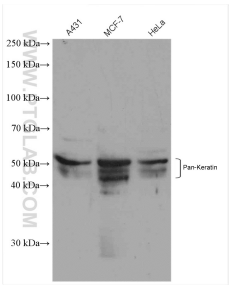
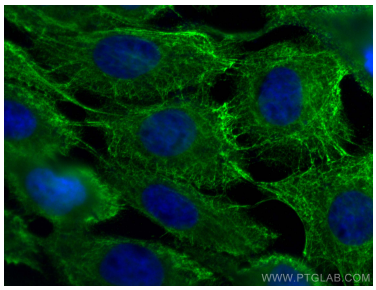


Immunofluorescent analysis of (4% PFA) fixed HeLa cells using pan-keratin antibody (26411-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 26411-1-PBS in a different storage buffer formulation.



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 (-20°C Methanol) fixed A431 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.