

Cytokeratin 5 Polyclonal Antibody

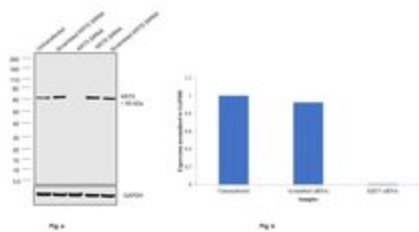
| Product Details | |
|--------------------|---|
| Size | 500 µL |
| Species | Human, Mouse |
| Published Species | Human |
| Expression System | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Synthetic peptide corresponding to C-terminus of human cytokeratin 5. |
| Form | Liquid |
| Purification | Antigen affinity chromatography |
| Storage buffer | PBS, pH 7.6, with 1% BSA |
| Contains | 0.1% sodium azide |
| Storage Conditions | -20° C, Avoid Freeze/Thaw Cycles |
| RRID | AB_2549934 |

| Applications | Tested Dilution | Publications |
|---|-----------------|----------------|
| Immunocytochemistry (ICC) | 1:100 | 4 Publications |
| Immunofluorescence (IF) | 1:100 | 2 Publications |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:100 | - |
| Western Blot (WB) | 1:1000 | 3 Publications |
| Immunohistochemistry (IHC) | - | 4 Publications |

Product Specific Information

Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 30 min at room temperature. A suggested positive control is skin, breast, prostate or mesothelioma.

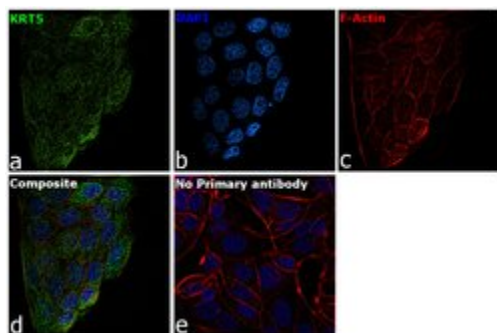
Advanced Verification Data



Cytokeratin 5 Antibody (PA5-32465)

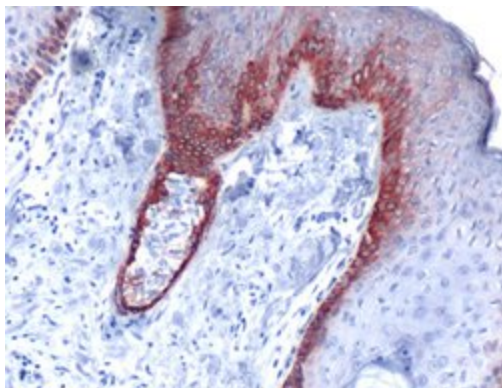
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with Cytokeratin 5 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-Cytokeratin 5 Polyclonal Antibody (Product # PA5-32465). Knockdown validation info.

Product Images For Cytokeratin 5 Polyclonal Antibody



Cytokeratin 5 Antibody (PA5-32465) in ICC

Immunofluorescence analysis of Cytokeratin 5 was performed using 70% confluent log phase A-431 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with Cytokeratin 5 Polyclonal Antibody (Product # PA5-32465) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing cytoskeletal localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



Cytokeratin 5 Antibody (PA5-32465) in IHC

Immunohistochemical analysis of Keratin 5 using anti-Keratin 5 Polyclonal Antibody (Product # PA5-32465) in Skin Cancer Tissue. The recommended dilution for this antibody in immunohistochemistry applications is 1:100.

View more figures on thermofisher.com

13 References

Immunocytochemistry (4)

Respiratory research

Characterization of an immortalized human small airway basal stem/progenitor cell line with airway region-specific differentiation capacity.

"PA5-32465 was used in Immunocytochemistry-immunofluorescence to generate and characterise an immortalized human small airway basal cell line."

Authors: Wang G,Lou HH,Salit J,Leopold PL,Driscoll S,Schymeinsky J,Quast K,Visvanathan S,Fine JS,Thomas MJ, Crystal RG

Species
Human

Dilution
Not Cited

Year
2019

Stem cell reviews and reports

Endothelial Cell Mediated Promotion of Ciliated Cell Differentiation of Human Airway Basal Cells via Insulin and Insulin-Like Growth Factor 1 Receptor Mediated Signaling.

"PA137974 was used in immunocytochemistry to attempt to understand the role of human airway basal cells and endothelial cells cross-talk in regulating basal cell stem/progenitor function"

Authors: Gomi K,Tang Y,Arbelaez V,Crystal RG,Walters MS

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2017

[View more ICC references on thermofisher.com](#)

Immunofluorescence (2)

Respiratory research

Role of KRAS in regulating normal human airway basal cell differentiation.

"Published figure using Cytokeratin 5 polyclonal antibody (Product # PA5-32465) in Immunofluorescence"

Authors: Ogawa F,Walters MS,Shafquat A,O'Beirne SL,Kaner RJ,Mezey JG,Zhang H,Leopold PL,Crystal RG

Species
Not Applicable

Dilution
Not Cited

Year
2019

Stem cell reviews and reports

Endothelial Cell Mediated Promotion of Ciliated Cell Differentiation of Human Airway Basal Cells via Insulin and Insulin-Like Growth Factor 1 Receptor Mediated Signaling.

"PA137974 was used in immunocytochemistry to attempt to understand the role of human airway basal cells and endothelial cells cross-talk in regulating basal cell stem/progenitor function"

Authors: Gomi K,Tang Y,Arbelaez V,Crystal RG,Walters MS

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2017

More applications with references on thermofisher.com

IHC (4) **WB (3)**

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.