

Cytokeratin 5 Polyclonal Antibody

Product Details

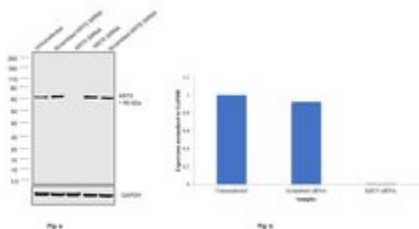
Size	500 µL
Species Reactivity	Human
Published Species	Human, Xenopus
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to C-terminus of human cytokeratin 5.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	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
Western Blot (WB)	1:1,000	3 Publications
Immunohistochemistry (IHC)	-	5 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100	-
Immunocytochemistry (ICC/IF)	1:100	6 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



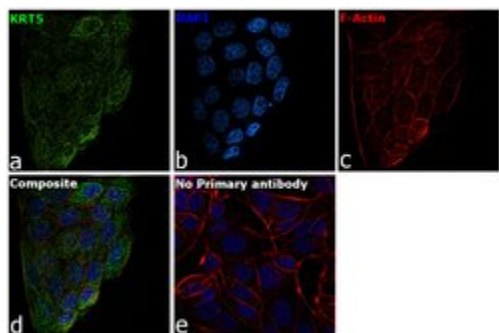
Cytokeratin 5 Antibody (PA5-32465)

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

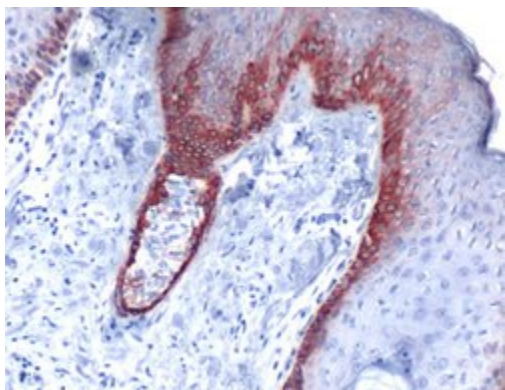
Cytokeratin 5 Antibody (PA5-32465) in ICC/IF

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.



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14 References

Western Blot (3)

PloS one Activation of NOTCH1 or NOTCH3 signaling skews human airway basal cell differentiation toward a secretory pathway. "PA1-37974 was used in immunocytochemistry and western blot to investigate the role of Notch signaling in human basal cell differentiation" Authors: Gomi K,Arbelaez V,Crystal RG,Walters MS	Species Human Dilution 1:5000 Year 2016
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Acta physiologica (Oxford, England) Activation of soluble guanylyl cyclase prevents foam cell formation and atherosclerosis. "PA1-37974 was used in western blot to study the mechanism by which soluble guanylyl cyclase activation blocks macrophage foam cell formation and atherosclerosis" Authors: Tsou CY,Chen CY,Zhao JF,Su KH,Lee HT,Lin SJ,Shyue SK,Hsiao SH,Lee TS	Species Human Dilution 1:5000 Year 2014
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[View more WB references on thermofisher.com](#)

Immunohistochemistry (5)

Cells, tissues, organs Na⁺/H⁺ Exchangers Are Required for the Development and Function of Vertebrate Mucociliary Epithelia. "PA1-37974 was used in Immunohistochemistry to study the contribution of Na ⁺ /H ⁺ exchangers to signalling, development and pathogenesis in the human respiratory tract." Authors: Sun DI,Tasca A,Haas M,Baltazar G,Harland RM,Finkbeiner WE,Walentek P	Species Xenopus Dilution 1:100 Year 2019
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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
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[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

ICC/IF (6)

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