

Cytokeratin 17 Rabbit mAb

Catalog No: #48633

Package Size: #48633-1 50ul #48633-2 100ul



SAB[®]
Signalway Antibody

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Support: tech@signalwayantibody.com

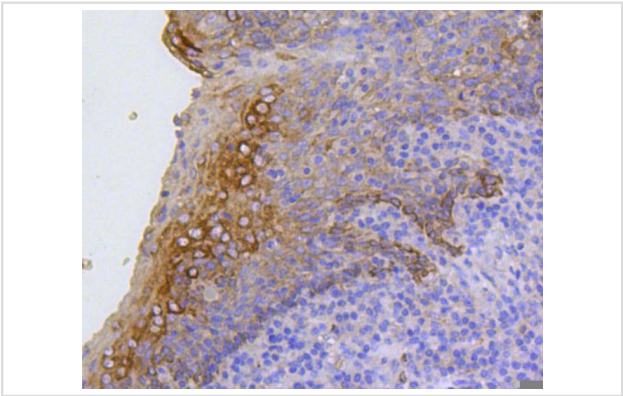
Description

Product Name	Cytokeratin 17 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SR45-06
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	39.1 antibody CK 17 antibody CK-17 antibody Cytokeratin-17 antibody K17 antibody K1C17_HUMAN antibody Keratin 17 antibody keratin 17 epitope S1 antibody keratin 17 epitope S2 antibody keratin 17 epitope S4 antibody Keratin 17, type I antibody Keratin antibody Keratin type I cytoskeletal 17 antibody keratin, type i cytoskeletal 17 [version 1] antibody Keratin-17 antibody KRT17 antibody PC antibody PC2 antibody PCHC1 antibody type I cytoskeletal 17 antibody
Accession No.	Swiss-Prot#:Q04695
Calculated MW	48 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

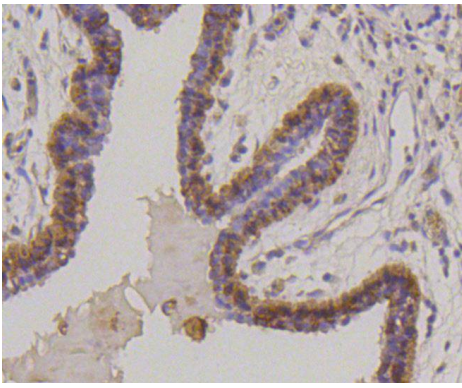
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

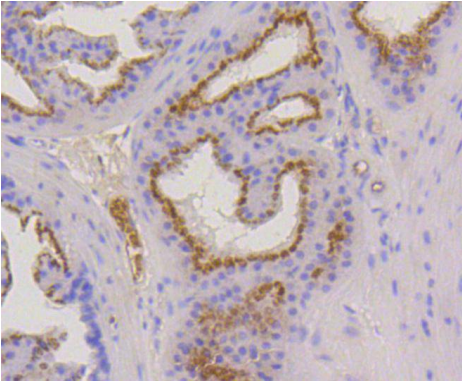
Images



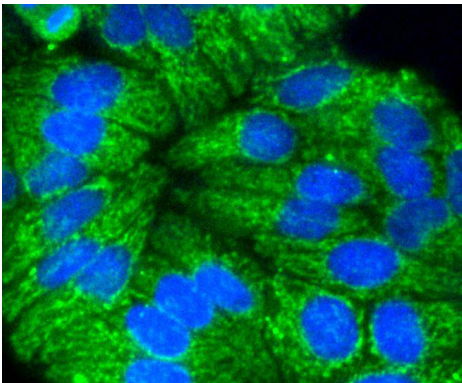
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Cytokeratin 17 antibody. Counter stained with hematoxylin.



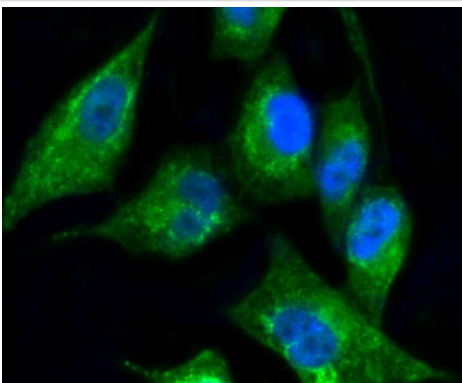
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Cytokeratin 17 antibody. Counter stained with hematoxylin.



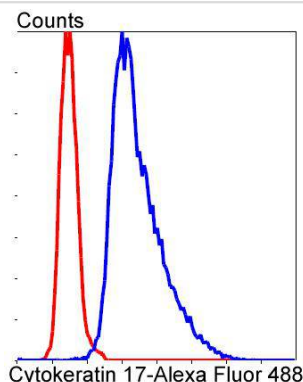
Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-Cytokeratin 17 antibody. Counter stained with hematoxylin.



ICC staining Cytokeratin 17 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cytokeratin 17 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with Cytokeratin 17 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Cytokeratin 17 is a member of the Cytokeratin subfamily of intermediate filament proteins (IFPs). It is unique in that it is normally expressed in the basal cells of complex epithelia but not in stratified or simple epithelia. Cytokeratin 17 contains 432 amino acids and is expressed in the nail bed, hair follicle, sebaceous glands and other epidermal appendages. Cytokeratin 17 functions to regulate cell growth and size through its interactions with the adaptor protein 14-3-3-sigma to mediate protein synthesis. Mutations in the gene encoding for Cytokeratin 17 lead to depressed protein translation and smaller sized skin keratinocytes, corresponding to decreased Akt/mTOR signaling activity. Cytokeratin 17 may be a useful marker for cervical stem cell identification, squamous cell carcinoma of the larynx, respiratory syncytial virus and transitional cell carcinomas of the human urinary tract.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.