

Cytokeratin 5 Rabbit mAb

Catalog No: #48957



Package Size: #48957-1 50ul #48957-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

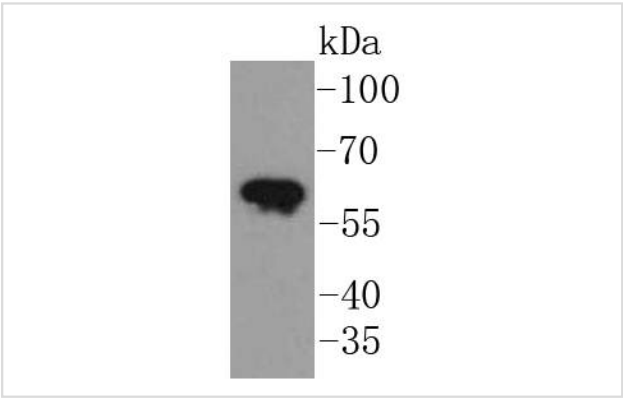
Description

Product Name	Cytokeratin 5 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC62-04
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	58 kDa cytokeratin antibody CK-5 antibody CK5 antibody Cytokeratin-5 antibody Cytokeratin5 antibody DDD antibody DDD1 antibody EBS2 antibody epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types antibody K2C5_HUMAN antibody K5 antibody keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types) antibody Keratin 5 antibody Keratin antibody keratin complex 2, basic, gene 5 antibody keratin, type II cytoskeletal 5 antibody Keratin-5 antibody Keratin5 antibody KRT 5 antibody Krt5 antibody KRT5A antibody type II cytoskeletal 5 antibody Type-II keratin Kb5 antibody
Accession No.	Swiss-Prot#:P13647
Calculated MW	62 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

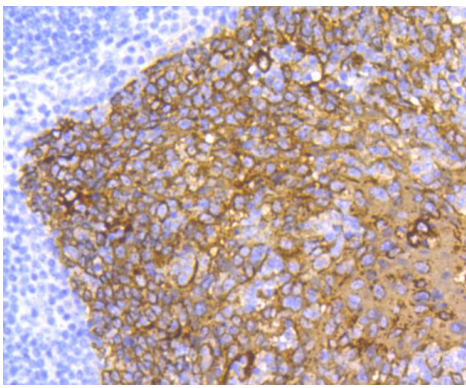
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:50-1:200

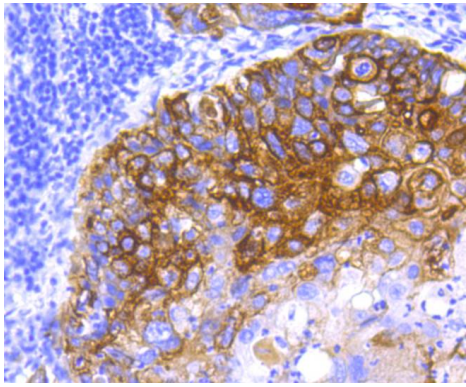
Images



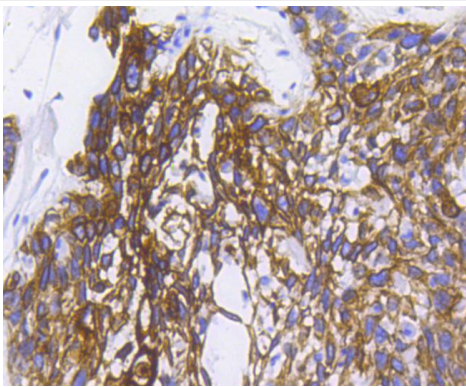
Western blot analysis of Cytokeratin 5 on A431 cells lysates using anti-Cytokeratin 5 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Cytokeratin 5 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Cytokeratin 5 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Cytokeratin 5 antibody. Counter stained with hematoxylin.

Background

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation which is directly applicable to the characterization of malignant tumors. Cytokeratin 5 is expressed in normal basal cells. Mutations of the cytokeratin 5 gene (KRT5) have been shown to result in the autosomal dominant disorder epidermolysis bullosa (EB).

References

1. Colopy SA et al. A population of progenitor cells in the basal and intermediate layers of the murine bladder urothelium contributes to urothelial development and regeneration. *Dev Dyn* 243:988-98 (2014).
2. Wang J et al. Symmetrical and asymmetrical division analysis provides evidence for a hierarchy of prostate epithelial cell lineages. *Nat Commun* 5:4758 (2014).

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