10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 1E1)

Mouse Monoclonal Antibody
Catalog # ALS13038

Specification

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 1E1) - Product Information

Application	**IHC**
Primary Accession	P13647
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**62kDa KDa**

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 1E1) - Additional Information

Gene ID 3852

Other Names
Keratin, type II cytoskeletal 5, 58 kDa cytokeratin, Cytokeratin-5, CK-5, Keratin-5, K5, Type-II keratin Kb5, KRT5

Target/Specificity
Human KRT5

Reconstitution & Storage
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
KRT5 / CK5 / Cytokeratin 5 Antibody (clone 1E1) is for research use only and not for use in diagnostic or therapeutic procedures.

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 1E1) - Protein Information

Name KRT5

Function
Required for the formation of keratin intermediate filaments in the basal epidermis and maintenance of the skin barrier in response to mechanical stress (By similarity). Regulates the recruitment of Langerhans cells to the epidermis, potentially by modulation of the abundance of macrophage chemotactic cytokines, macrophage inflammatory cytokines and CTNND1 localization in keratinocytes (By similarity).

Cellular Location
Cytoplasm.

Tissue Location
Expressed in corneal epithelium (at protein level) (PubMed:26758872). Expressed in keratinocytes (at protein level) (PubMed:20128788, PubMed:31302245).

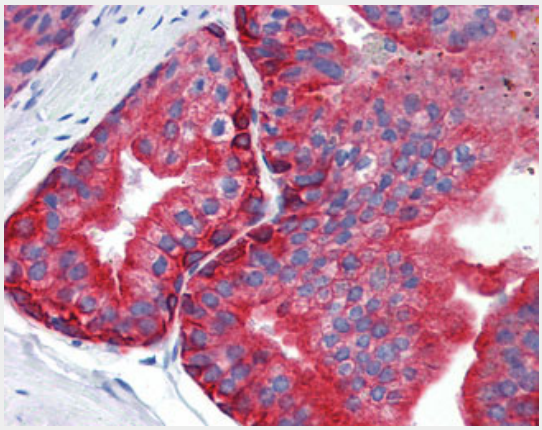
Volume
50 µl

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 1E1) - Protocols

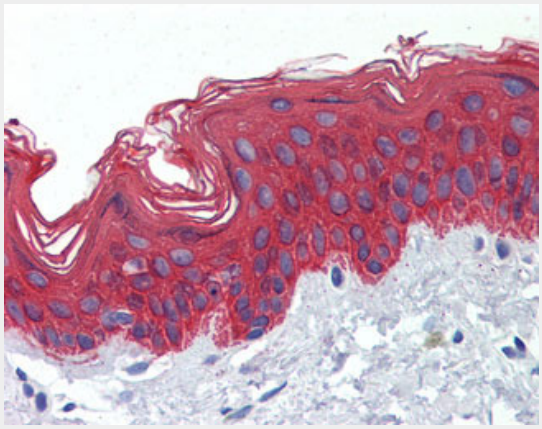
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 1E1) - Images

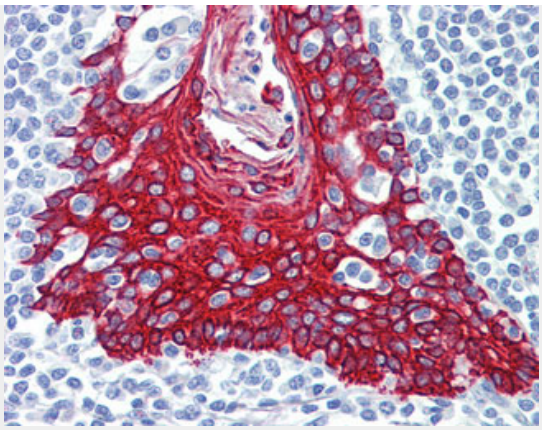


Anti-KRT5 / Cytokeratin 5 antibody IHC of human prostate.



Anti-KRT5 / Cytokeratin 5 antibody IHC of human skin.

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Anti-KRT5 / Cytokeratin 5 antibody IHC of human tonsil.

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 1E1) - References

Eckert R.L.,et al.DNA 7:337-345(1988).
Lersch R.,et al.Mol. Cell. Biol. 9:3685-3697(1989).
Whittock N.V.,et al.Biochem. Biophys. Res. Commun. 274:149-152(2000).
Lersch R.,et al.Mol. Cell. Biol. 8:486-493(1988).
Xu Z.,et al.Clin. Exp. Dermatol. 29:74-76(2004).