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

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 4H8)

Mouse Monoclonal Antibody
Catalog # ALS17146

Specification

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 4H8) - Product Information

Application	**IHC-P, WB**
Primary Accession	P13647
Other Accession	3852
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b**
Calculated MW	**62378**

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 4H8) - Additional Information

Gene ID 3852

Other Names
KRT5, 58 kd cytokeratin, 58 kDa cytokeratin, CK5, CK-5, Cytokeratin-5, DDD, EBS2, Keratin 5, KRT5A, Type-II keratin Kb5, Cytokeratin 5, K5, Keratin-5

Target/Specificity
Human Cytokeratin 5 / Keratin 5

Reconstitution & Storage
PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions
KRT5 / CK5 / Cytokeratin 5 Antibody (clone 4H8) is for research use only and not for use in diagnostic or therapeutic procedures.

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 4H8) - 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.

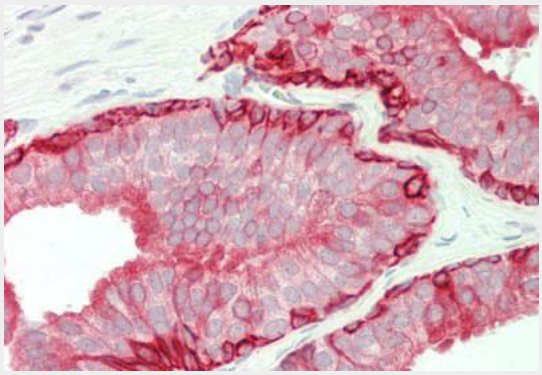
Tissue Location
Expressed in corneal epithelium (at protein level) (PubMed:26758872). Expressed in keratinocytes (at protein level) (PubMed:20128788, PubMed:31302245).

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 4H8) - 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 4H8) - Images

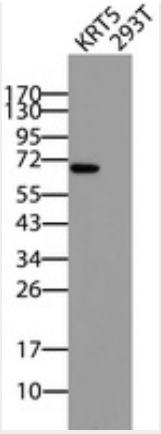


Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)

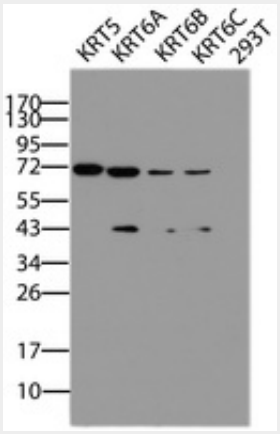


Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)

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



HEK293T cells were transfected with the pCMV6-ENTRY control (Right lane)or pCMV6-ENTRY KRT5...



HEK293T cells were transfected with the pCMV6-ENTRY control (Lane 5) or pCMV6-ENTRY KRT5 (Lane...

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 4H8) - 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).