

Datasheet for ABIN114888
anti-KRT15 antibody (C-Term)



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1 Image

Overview

Quantity:	1 mL
Target:	KRT15
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT15 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A 17-mer synthetic peptide from the C-terminus of human cytokeratin 15
Clone:	LHK15
Isotype:	IgG2a
Specificity:	Cytokeratin 15 is a type I cytokeratin without a defined type II partner. Cellular Localization: Cytoplasmic.
Purification:	Purified

Target Details

Target:	KRT15
Alternative Name:	Cytokeratin 15 (KRT15 Products)

Target Details

Background: Cytokeratin 15 is expressed primarily in the basal keratinocytes of stratified tissues, including the fetal epidermis and fetal nail. A number of human cytokeratins are expressed during the development of stratified epithelia from one-layered polar epithelia and continue to be expressed in several adult epithelial tissues. Cytokeratin 15 (CK15) is a type I keratin without a defined type II partner whose expression in epidermal diseases has not been investigated. A monoclonal antibody raised against the last 17 amino acids of the CK15 polypeptide show that CK-15 is expressed primarily in the basal keratinocytes of stratified tissues, including the fetal epidermis and fetal nail. Although CK-15 in normal hair follicles was virtually absent from hair bulbs, it was expressed by a subset of keratinocytes in the outer root sheath. In human conjunctival epithelium, strong expression of CK-15 was observed in basal cells, whereas CK19 was expressed in both basal and suprabasal layers. Although the expression of K15 and K19 differ in humans and mice, specific staining patterns can be used to characterize the epithelial phenotype in normal and diseased ocular surface. **Synonyms:** CK-15, Cytokeratin-15, K15, KRT15, KRTB, Keratin, Keratin 15, Keratin-15, Type I Cytoskeletal 15

Gene ID: 3866

NCBI Accession: [NP_002266](#)

UniProt: [P19012](#)

Application Details

Application Notes: Immunofluorescence. Immunohistochemistry on Paraffin Embedded Sections: 1/25-1/75 dilution in an ABC method (30 minutes at room temperature). Requires high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining. Recommended Positive Control: Skin.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

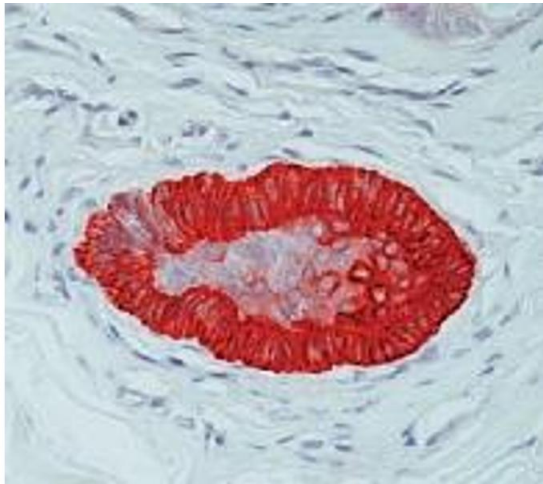
Handling

Format: Liquid

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry

Image 1. Formalin fixed paraffin embedded human tonsil stained with Cytokeratin 15 antibody. ABIN114888