

ARG11027 anti-Cytokeratin 5 + 6 antibody [T16-K]

Package: 100 µl

Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [T16-K] recognizes Cytokeratin 5 + 6
Tested Reactivity	Hu
Tested Application	IHC-P
Specificity	ARG11027 anti-Cytokeratin 5 + 6 antibody [T16-K] recognizes the epitope between Thr548 - His564 (identical with Cytokeratin 5 and 6).
Host	Rabbit
Clonality	Monoclonal
Clone	T16-K
Target Name	Cytokeratin 5 + 6
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human Cytokeratin 6.
Epitope	Between Thr548 - His564 (identical with Cytokeratin 5 and 6).
Conjugation	Un-conjugated
Alternate Names	K5; CK5; DDD; DDD1; EBS2; KRT5A; CK-6A; K6D; Cytokeratin-6A; CK-6D; K6C; K6A; Type-II keratin Kb6; PC3; CK6D; KRT6D; CK6A; CK6C; allergen Hom s 5; Keratin, type II cytoskeletal 6A; Keratin-6A; Cytokeratin-6D; KRT6C

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>1:100 - 1:200</td></tr></tbody></table>	Application	Dilution	IHC-P	1:100 - 1:200
Application	Dilution				
IHC-P	1:100 - 1:200				
Application Note	IHC-P: Antigen Retrieval: Boil tissue section (95 - 97°C) in Tris-EDTA Buffer (10mM Tris Base, 1mM EDTA solution, 0.05% Tween-20, pH 9.0) for 25 min followed by cooling at RT for 15 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Human skin or prostate tissue (basal cells); squamous cell carcinoma tissue.				

Properties

Form	Liquid
Buffer	20 mM Tris-HCl (pH 8.0), 0.05% Sodium azide and 20 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	20 mg/ml BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

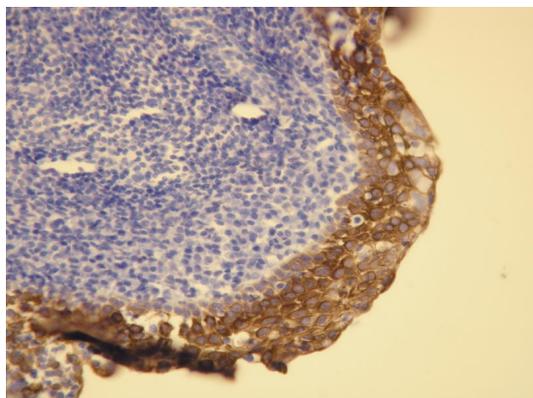
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

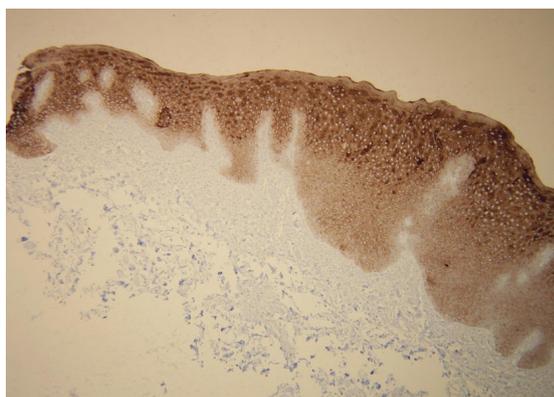
Gene Symbol	KRT5; KRT6A
Gene Full Name	keratin 5; keratin 6A, type II
Background	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. As many as six of this type II cytokeratin (KRT6) have been identified; the multiplicity of the genes is attributed to successive gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 in the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, the outer root sheath of hair follicles, and the glandular epithelia. This KRT6 gene in particular encodes the most abundant isoform. Mutations in these genes have been associated with pachyonychia congenita. In addition, peptides from the C-terminal region of the protein have antimicrobial activity against bacterial pathogens. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Oct 2014]
Function	Epidermis-specific type I keratin involved in wound healing. Involved in the activation of follicular keratinocytes after wounding, while it does not play a major role in keratinocyte proliferation or migration. Participates in the regulation of epithelial migration by inhibiting the activity of SRC during wound repair. [UniProt]
Calculated Mw	60 kDa
Cellular Localization	Cytoplasm

Images



ARG11027 anti-Cytokeratin 5 + 6 antibody [T16-K] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsillary epithelium (4 μ m sections) stained with ARG11027 anti-Cytokeratin 5 + 6 antibody [T16-K].



ARG11027 anti-Cytokeratin 5 + 6 antibody [T16-K] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human epidermis of the skin (4 μ m sections) stained with ARG11027 anti-Cytokeratin 5 + 6 antibody [T16-K].