

## ARG66814 anti-Cytokeratin 5 + 6 antibody [SQab20228]

Package: 100 µl

Store at: -20°C

### Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab20228] recognizes Cytokeratin 5 + 6
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab20228
Isotype	IgG
Target Name	Cytokeratin 5 + 6
Species	Human
Immunogen	Synthetic peptide within aa. 490-590 of Human Cytokeratin 5 and synthetic peptide within aa. 464-564 of Human Cytokeratin 6.
Conjugation	Un-conjugated
Alternate Names	KRT5: DDD1; 58 kDa cyokeratin; Keratin, type II cytoskeletal 5; EBS2; Keratin-5; Cytokeratin-5; CK5; KRT5A; K5; CK-5; Type-II keratin Kb5; DDD  KRT6A: 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	Application	Dilution
	IHC-P	1:100 - 1:200
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C - 25°C) for 30 minutes. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

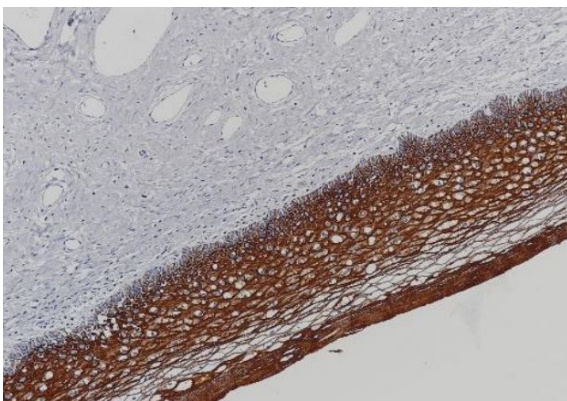
Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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, type II; keratin 6A, type II
Background	<p>KRT5: 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. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Jul 2008]</p> <p>KRT6A: 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]</p>
Function	KRT6: 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	62 kDa

## Images



ARG66814 anti-Cytokeratin 5 + 6 antibody [SQab20228] IHC-P image

Immunohistochemistry: Formalin/PFA-fixed and paraffin-embedded Human cervix tissue. Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0). The tissue section was stained with ARG66814 anti-Cytokeratin 5 + 6 antibody [SQab20228].