

ARG66494 anti-Cytokeratin 6 antibody

Package: 100 µl

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Cytokeratin 6
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Target Name	Cytokeratin 6
Species	Human
Immunogen	Synthetic peptide derived from Human Cytokeratin 6.
Conjugation	Un-conjugated
Alternate Names	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 - 1:500
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Tris/EDTA buffer (pH 8.0) was used. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	55 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
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 KRT6A

Gene Full Name 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]

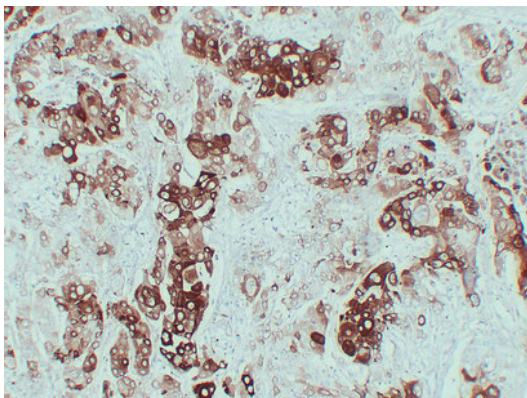
Function

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

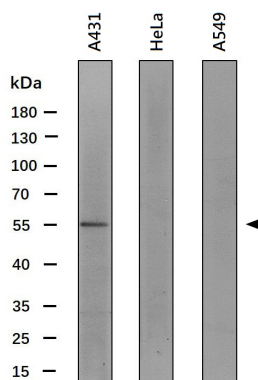
60 kDa

Images



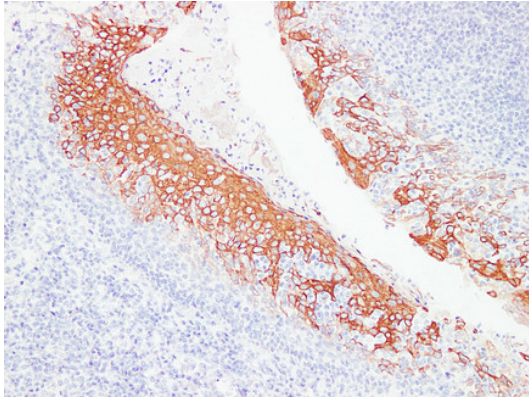
ARG66494 anti-Cytokeratin 6 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung squamous cell carcinoma stained with ARG66494 anti-Cytokeratin 6 antibody at 1:200 (4°C, overnight). Antigen Retrieval: Tris/EDTA buffer (pH 8.0) was used.



ARG66494 anti-Cytokeratin 6 antibody WB image

Western blot: 30 µg of A431, HeLa (negative control) and A549 (negative control) whole cell lysates stained with ARG66494 anti-Cytokeratin 6 antibody at 1:1000 dilution.



ARG66494 anti-Cytokeratin 6 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil stained with ARG66494 anti-Cytokeratin 6 antibody at 1:200 (4°C, overnight). Antigen Retrieval: Tris/EDTA buffer (pH 8.0) was used.