

## ARG55963 anti-Cytokeratin 10 antibody [LH2]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [LH2] recognizes Cytokeratin 10
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	LH2
Isotype	IgG1
Target Name	Cytokeratin 10
Species	Human
Immunogen	Skin extract from a Human psoriasis patient.
Conjugation	Un-conjugated
Alternate Names	KPP; K10; CK-10; BIE; Keratin, type I cytoskeletal 10; Cytokeratin-10; CK10; BCIE; Keratin-10; EHK

### Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 5 µg/ml
	WB	1 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 1 mM EDTA (pH 8.0-9.0) for 10-20 min, followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human thymus	
Observed Size	~ 59 kDa	

### Properties

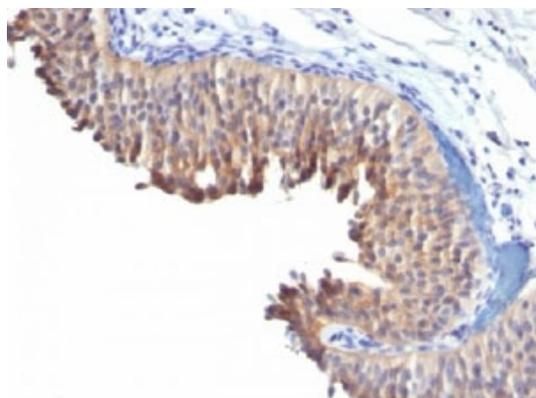
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml

<b>Storage instruction</b>	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.
<b>Note</b>	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

<b>Database links</b>	<a href="#">GeneID: 16661 Mouse</a> <a href="#">GeneID: 3858 Human</a> <a href="#">Swiss-port # P02535 Mouse</a> <a href="#">Swiss-port # P13645 Human</a>
<b>Gene Symbol</b>	KRT10
<b>Gene Full Name</b>	keratin 10, type I
<b>Background</b>	Cytokeratin 10 is a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. Mutations in this gene are associated with epidermolytic hyperkeratosis. This gene is located within a cluster of keratin family members on chromosome 17q21. [provided by RefSeq, Jul 2008]
<b>Function</b>	<p>Cytokeratin 10 plays a role in the establishment of the epidermal barrier on plantar skin.</p> <p>(Microbial infection) Acts as a mediator of S.aureus adherence to desquamated nasal epithelial cells via clfB, and hence may play a role in nasal colonization.</p> <p>(Microbial infection) Binds S.pneumoniae PsrP, mediating adherence of the bacteria to lung cell lines. Reduction of levels of KRT10 keratin decrease adherence, overexpression increases adherence. Neither protein has to be glycosylated for the interaction to occur. [UniProt]</p>
<b>Calculated Mw</b>	59 kDa
<b>Cellular Localization</b>	Cytoplasmic

## Images

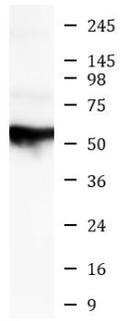


ARG55963 anti-Cytokeratin 10 antibody [LH2] IHC-P image

Immunohistochemistry: Human bladder carcinoma stained with ARG55963 anti-Cytokeratin 10 antibody [LH2].

ARG55963 anti-Cytokeratin 10 antibody [LH2] WB image

Western blot: Human thymus lysate stained with ARG55963 anti-Cytokeratin 10 antibody [LH2].



Human thymus