ARG55961
anti-Cytokeratin 6 antibody [LHK6]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [LHK6] recognizes Cytokeratin 6
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	LHK6
Isotype	IgG2a, kappa
Target Name	Cytokeratin 6
Species	Human
Immunogen	Synthetic peptide of Human Cytokeratin 6 (GSSTIKYTTTS).
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
FACS	0.5 - 1 µg/10^6 cells
ICC/IF	0.5 - 1 µg/ml
IHC-P	0.5 - 1.0 µg/ml

Application Note

Antigen retrieval for IHC-P: Staining of formalin/paraffin tissues is enhanced by digestion of tissue sections with pepsin at 1mg/ml Tris-HCl, pH 2.0 for 10-15 min at RT.

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

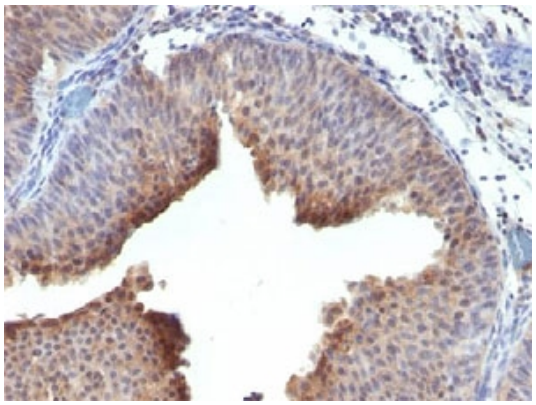
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml

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

Database links	GeneID: 16687 Mouse GeneID: 3853 Human Swiss-port # P02538 Human Swiss-port # P50446 Mouse
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
Cellular Localization	Cytoplasmic

Images



ARG55961 anti-Cytokeratin 6 antibody [LHK6] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human bladder carcinoma stained with ARG55961 anti-Cytokeratin 6 antibody [LHK6].