

ARG56106 anti-Cytokeratin 10 + 13 antibody [DE-K13]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [DE-K13] recognizes Cytokeratin 10 + 13
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	DE-K13
Isotype	IgG2a, kappa
Target Name	Cytokeratin 10 + 13
Species	Human
Immunogen	A cytoskeletal preparation extracted from Human ectocervical epithelium.
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
	FACS	0.5 - 1 µg/10 ⁶ cells
	ICC/IF	0.5 - 2 µg/ml
	IHC-P	0.5 - 2 µg/ml
	WB	0.25 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) 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.	

Properties

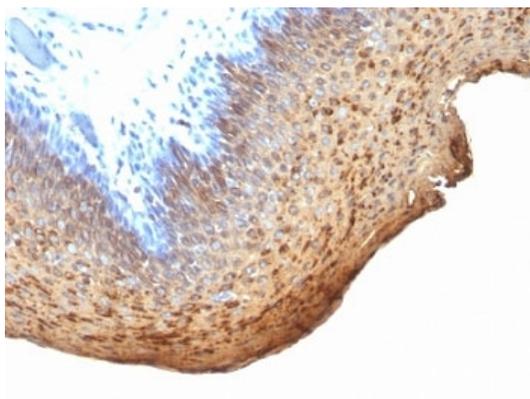
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml

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

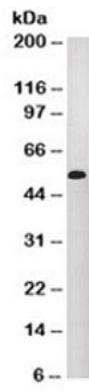
Database links	GeneID: 3858 Human Swiss-port # P13645 Human
Gene Symbol	KRT10
Gene Full Name	keratin 10, type I
Background	Cytokeratin 10 is a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural 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]
Function	Cytokeratin 10 plays a role in the establishment of the epidermal barrier on plantar skin. (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. (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]
Calculated Mw	59 kDa
Cellular Localization	Cytoplasmic

Images



ARG56106 anti-Cytokeratin 10 + 13 antibody [DE-K13] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human tonsil stained with ARG56106 anti-Cytokeratin 10 + 13 antibody [DE-K13].



ARG56106 anti-Cytokeratin 10 + 13 antibody [DE-K13] WB image

Western blot: A431 cell lysate stained with ARG56106 anti-Cytokeratin 10 + 13 antibody [DE-K13].