ARG62970
anti-Cytokeratin 10 antibody [VIK-10]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [VIK-10] recognizes Cytokeratin 10
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, IP
Specificity	The clone VIK-10 reacts with Cytokeratin 10 (56.5 kDa). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
Host	Mouse
Clonality	Monoclonal
Clone	VIK-10
Isotype	IgG1
Target Name	Cytokeratin 10
Species	Human
Immunogen	Cytoskeleton preparation extracted from human epidermis by detergent/high salt extraction.
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
ICC/IF	Assay-dependent
IHC-P	10 µg/ml
IP	Assay-dependent

Application Note	IHC-P: Pretreatment: Trypsin, at 37°C. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	IHC-P: Skin

Properties

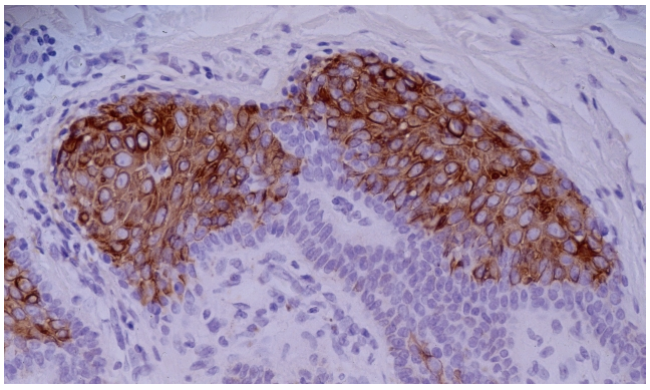
Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide

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 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]
Research Area	Signaling Transduction antibody
Calculated Mw	59 kDa

Images



ARG62970 anti-Cytokeratin 10 antibody [VIK-10] IHC-P image

Immunohistochemistry: Skin basaliom (paraffin-embedded sections) stained with ARG62970 anti-Cytokeratin 10 antibody [VIK-10].