

ARG10564 anti-Cytokeratin 16 antibody [R20-S]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [R20-S] recognizes Cytokeratin 16
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	R20-S
Isotype	IgG
Target Name	Cytokeratin 16
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human cytokeratin 16
Conjugation	Un-conjugated
Alternate Names	KRT16A; K16; FNEPPK; Cytokeratin-16; PC1; K1CP; Keratin-16; CK-16; CK16; NEPPK; Keratin, type I cytoskeletal 16

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Buffer	20 mM Tris-HCl (pH 8.0), 0.05% Sodium azide and 20 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	20 mg/ml BSA
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: 3868 Human Swiss-port # P08779 Human
Gene Symbol	KRT16
Gene Full Name	keratin 16, type I
Background	<p>The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus. [provided by RefSeq, Jul 2008]</p>
Function	<p>Epidermis-specific type I keratin that plays a key role in skin. Acts as a regulator of innate immunity in response to skin barrier breach: required for some inflammatory checkpoint for the skin barrier maintenance. [UniProt]</p>
Calculated Mw	51 kDa

Images



ARG10564 anti-Cytokeratin 16 antibody [R20-S] IHC-P image

Immunohistochemistry: Formalin fixed, paraffin embedded luminal cells of the sweat glands of the Human skin (4 µm section) stained with ARG10564 anti-Cytokeratin 16 antibody [R20-S].