

## ARG40225 anti-Cytokeratin 14 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Cytokeratin 14
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cytokeratin 14
Species	Human
Immunogen	Synthetic peptide derived from Human Cytokeratin 14.
Conjugation	Un-conjugated
Alternate Names	K14; CK-14; Cytokeratin-14; Keratin, type I cytoskeletal 14; EBS3; EBS4; NFJ; Keratin-14; CK14

### Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A431	
Observed Size	~ 45 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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**

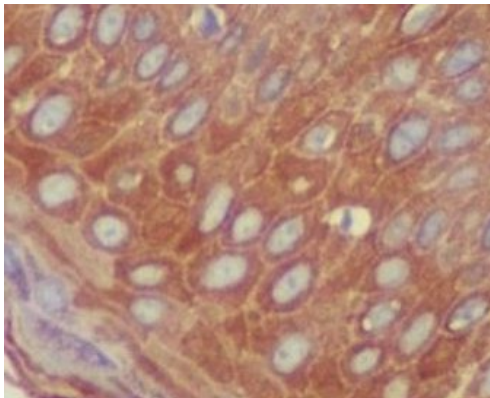
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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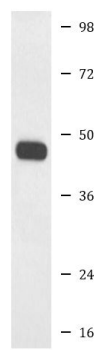
Gene Symbol	KRT14
Gene Full Name	keratin 14, type I
Background	This gene encodes a member of the keratin family, the most diverse group of intermediate filaments. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11. [provided by RefSeq, Jul 2008]
Function	The nonhelical tail domain is involved in promoting KRT5-KRT14 filaments to self-organize into large bundles and enhances the mechanical properties involved in resilience of keratin intermediate filaments in vitro. [UniProt]
Calculated Mw	52 kDa
PTM	A disulfide bond is formed between rather than within filaments and promotes the formation of a keratin filament cage around the nucleus.  Ubiquitinated by the BCR(KLHL24) E3 ubiquitin ligase complex. [UniProt]
Cellular Localization	Cytoplasm. Nucleus. Note=Expressed in both as a filamentous pattern. [UniProt]

## Images



ARG40225 anti-Cytokeratin 14 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skin stained with ARG40225 anti-Cytokeratin 14 antibody.



A431

ARG40225 anti-Cytokeratin 14 antibody WB image

Western blot: A431 cell lysate stained with ARG40225 anti-Cytokeratin 14 antibody.