

ARG44693 anti-Cytokeratin 14 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Cytokeratin 14
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Target Name	Cytokeratin 14
Species	Human
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
	IHC-P	1-5 µg/mL
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

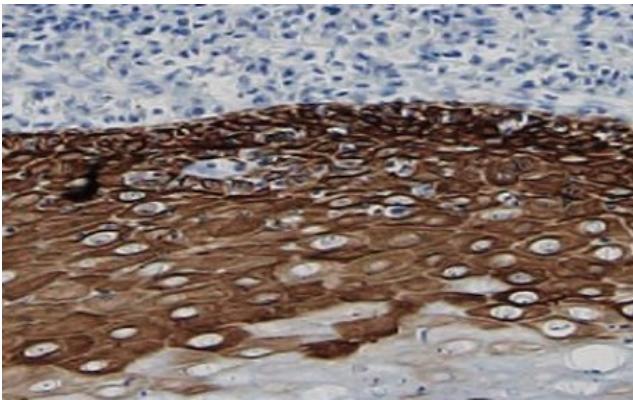
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated 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

Gene Symbol	KRT14
Gene Full Name	keratin 14, type I

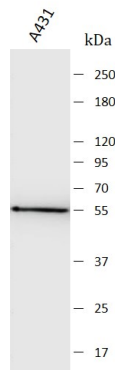
Background	This gene encodes a member of the keratin family, the most diverse group of intermediate filaments. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations 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
Cellular Localization	Cytoplasm. Nucleus. Note=Expressed in both as a filamentous pattern. [UniProt]

Images



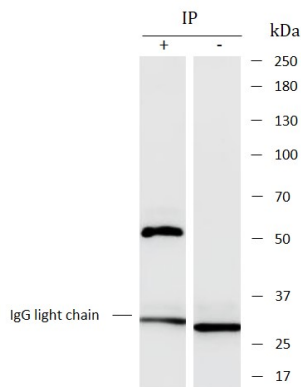
ARG44693 anti-Cytokeratin 14 antibody IHC-P image

Immunohistochemistry: Human esophageal squamous cell carcinoma stained with ARG44693 anti-Cytokeratin 14 antibody at 2 $\mu\text{g}/\text{mL}$ dilution.



ARG44693 anti-Cytokeratin 14 antibody WB image

Western blot: A431 stained with ARG44693 anti-Cytokeratin 14 antibody at 1 $\mu\text{g}/\text{mL}$ dilution.



ARG44693 anti-Cytokeratin 14 antibody IP image

Immunoprecipitation: A431 lysate immunoprecipitated with 2.5 μg of ARG44693 anti-Cytokeratin 14 antibody.