

Basic Information

Product Name	Anti-Cytokeratin 14/KRT14 Antibody (Clone#FEF-11)		
Gene Name	KRT14		
Source	Rabbit		
Clonality	Monoclonal		
Isotype	IgG		
Species Reactivity	human, mouse, rat		
Tested Application	WB, IHC, ICC/IF		
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.		
Immunogen	A synthesized peptide derived from human Cytokeratin 14		
Concentration	500 ug/ml		
Purification	Affinity-chromatography		
Observed MW	52 kDa		
Dilution Ratios	Western blot (WB):	1:500-2000	
	Immunohistochemistry (IHC):	1:50-200	
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200	

Storage

12 months from date of receipt, -20°C as supplied.

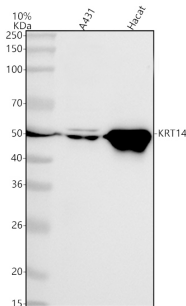
Background Information

Cytokeratin 14, also known as cytokeratin-14 (CK-14) or keratin-14 (KRT14), is a member of the type I keratin family of intermediate filament proteins. In humans it is encoded by the KRT14 gene. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11.

Reference

Anti-Cytokeratin 14/KRT14 Antibody (Clone#FEF-11)被引用在3文献中。

Selected Validation Data



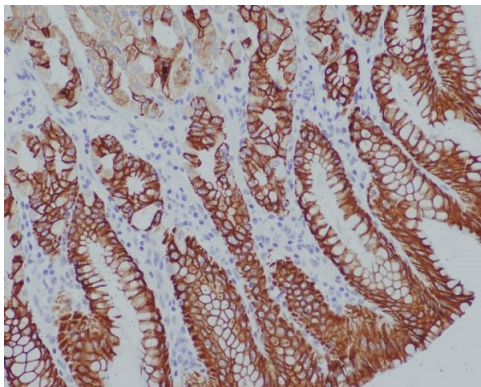
Western blot analysis of anti-Cytokeratin 14/KRT14 antibody (BM4522).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

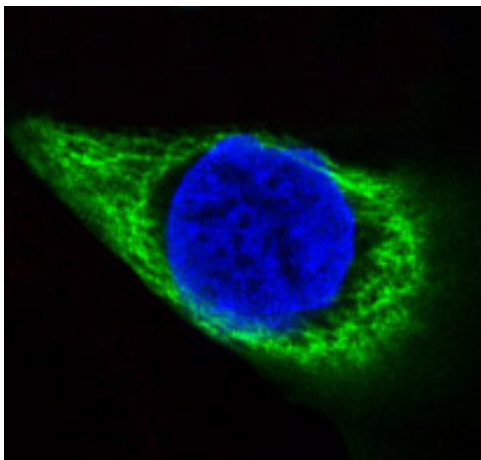
Lane 1: human A431 whole cell lysates,

Lane 2: human Hacat whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Cytokeratin 14/KRT14 antigen affinity purified monoclonal antibody (BM4522) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Cytokeratin 14/KRT14 at approximately 52 kDa. The expected band size for Cytokeratin 14/KRT14 is at 52 kDa.



Immunohistochemical analysis of paraffin-embedded human stomach, using Cytokeratin 14 Antibody.



Immunofluorescent analysis of HACAT cells, using Cytokeratin 14 Antibody.