

Basic Information

Product Name	Anti-Cytokeratin 5/KRT5 Antibody (Clone#FBE-11)		
Gene Name	KRT5		
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 5		
Concentration	500 ug/ml		
Purification	Affinity-chromatography		
Observed MW	62 kDa		
Dilution Ratios	Western blot (WB):	1:1000-5000	
	Immunohistochemistry (IHC):	1:50-200	
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200	

Storage

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

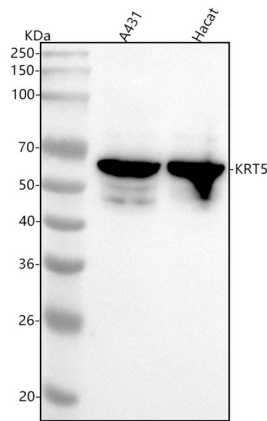
Background Information

Cytokeratin 5, also known as KRT5, K5, or CK5, is a protein that is encoded in humans by the KRT5 gene. The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

Reference

Anti-Cytokeratin 5/KRT5 Antibody (Clone#FBE-11)被引用在1文献中。

Selected Validation Data

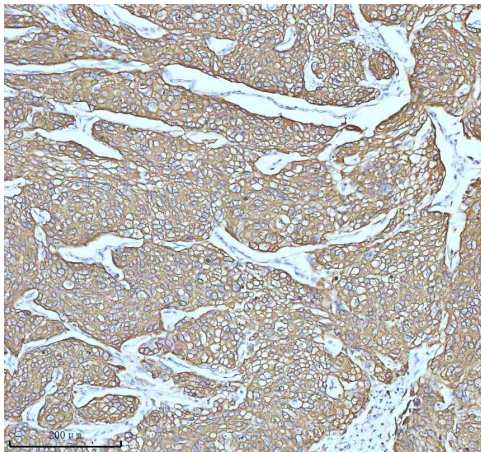


Western blot analysis of anti-Cytokeratin 5/KRT5 antibody (BM4491). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

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 5/KRT5 antigen affinity purified monoclonal antibody (BM4491) 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 5/KRT5 at approximately 62 kDa. The expected band size for Cytokeratin 5/KRT5 is at 62 kDa.



IHC analysis of Cytokeratin 5/KRT5 using anti-Cytokeratin 5/KRT5 antibody (BM4491) .

Cytokeratin 5/KRT5 was detected in a paraffin-embedded section of human cervical cancer tissue. The tissue section was incubated with rabbit anti-Cytokeratin 5/KRT5 Antibody (BM4491) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.