

Basic Information

Product Name	Anti-Cytokeratin 14/KRT14 Antibody	
Gene Name	KRT14	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, FCM	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cytokeratin 14, identical to the related mouse and rat sequences.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	52 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

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

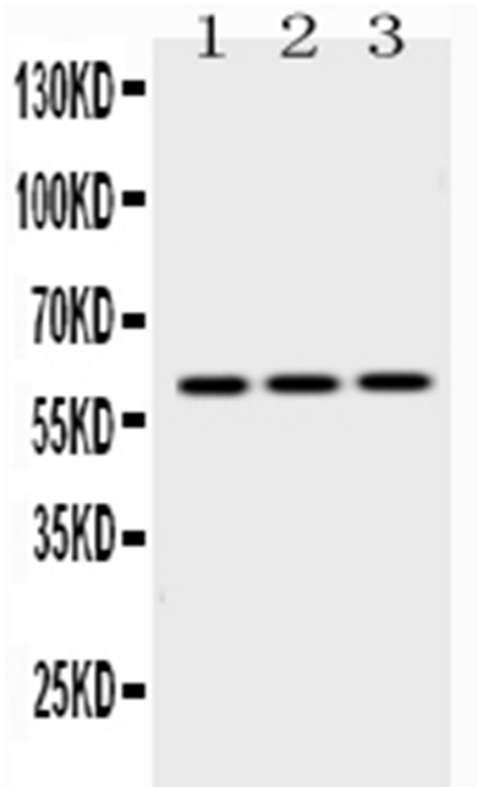
Background Information

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被引用在7文献中。

Selected Validation Data



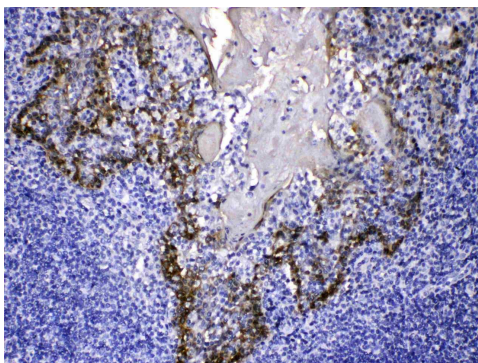
Western blot analysis of Cytokeratin 14/KRT14 using anti-Cytokeratin 14/KRT14 antibody (A01432). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates,

Lane 2: mouse NIH/3T3 whole cell lysates,

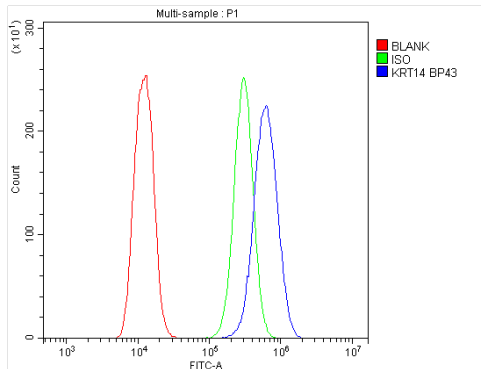
Lane 3: human HepG2 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Cytokeratin 14/KRT14 antigen affinity purified polyclonal antibody (A01432) 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 60 kDa. The expected band size for Cytokeratin 14/KRT14 is at 51 kDa.



IHC analysis of Cytokeratin 14/KRT14 using anti-Cytokeratin 14/KRT14 antibody (A01432) .

Cytokeratin 14/KRT14 was detected in a paraffin-embedded section of human tonsil tissue. The tissue section was incubated with rabbit anti-Cytokeratin 14/KRT14 Antibody (A01432) 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.



Flow Cytometry analysis of U2OS cells using anti-Cytokeratin 14/KRT14 antibody (A01432).

Overlay histogram showing U2OS cells stained with A01432 (Blue line).

The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Cytokeratin 14/KRT14 Antibody (A01432) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.