

Recombinant Cytokeratin 5/KRT5 Monoclonal Antibody

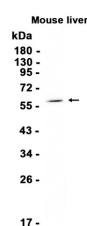
catalog number: AN300108P

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description	
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide corresponding to the center region of the Human Cytokeratin 5/KRT5
Host	Rabbit
Isotype	IgG
Clone	A1222
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

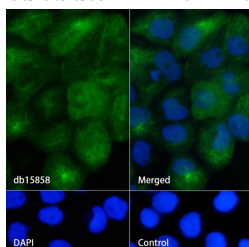
Applications	Recommended Dilution
WB:	1:1000-1:5000; IHC-P: 1:100-1:200; ICC/IF: 1:100; FC: 1:20

Data



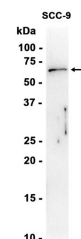
Western blot analysis of extracts from Mouse liver tissue at 1:1000.

Observed-MW:62 kDa
Calculated-MW:62 kDa



Immunofluorescence analysis of A431 cells labelling Cytokeratin 5. The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate (1:100) at room temprature for 1h, followed by a further incubation at room temprature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.



Western blot analysis of extracts from SCC-9 cells at 1:2000.

Observed-MW:62 kDa
Calculated-MW:62 kDa

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

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Rev. V1.3

Shipping

Ice bag

Background

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. [provided by RefSeq, Jul 2008]

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