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**Product Name: KRT14 Mouse Monoclonal Antibody****Catalog #: AMM82870**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,ELISA,FC
<b>Reactivity</b>	Human, Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	51.5kDa

**Antigen Information**

<b>Gene Name</b>	KRT14
<b>Alternative Names</b>	K14; NFJ; CK14; EBS3; EBS4
<b>Gene ID</b>	3861.0
<b>SwissProt ID</b>	P02533
<b>Immunogen</b>	Purified recombinant fragment of human KRT14 (AA: 115-472) expressed in E. Coli.

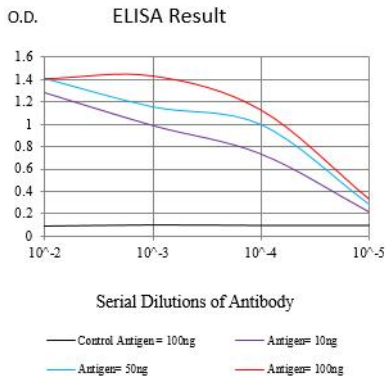
**Background**

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

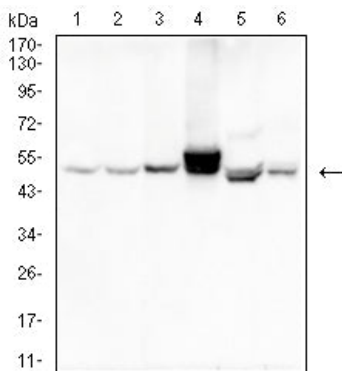
least one pseudogene has been identified at 17p12-p11.

## Research Area

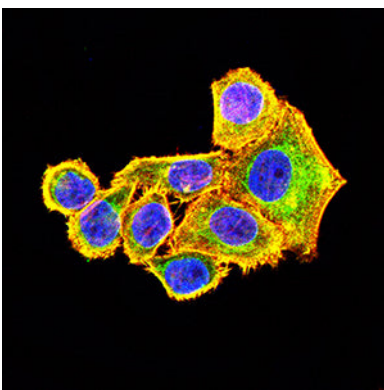
## Image Data



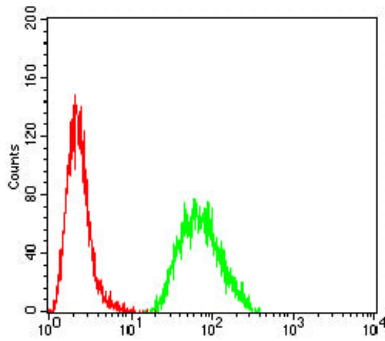
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



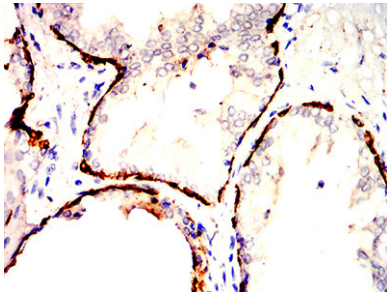
Western blot analysis using KRT14 mouse mAb against MCF-7 (1), HeLa (2), A431 (3), SW480 (4), T47D (5) and Molt-4 (6) cell lysate.



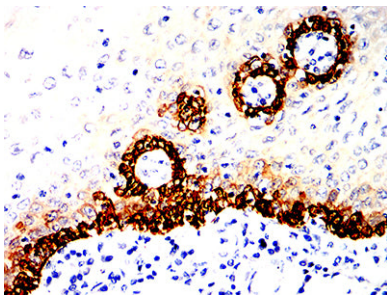
Immunofluorescence analysis of HeLa cells using KRT14 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of HeLa cells using KRT14 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human prostatic cancer tissues using KRT14 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophagus tissues using KRT14 mouse mAb with DAB staining.