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**Product Name: Cytokeratin 7 (4G9) Mouse Monoclonal Antibody****Catalog #: AMM03430**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC/IF
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2b
<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>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 51 kDa; Observed MW: 55 kDa

**Antigen Information**

<b>Gene Name</b>	KRT7 CK 7; CK-7; ck7; Cytokeratin 7; Cytokeratin-7; Cytokeratin7; D15Wsu77e; K2C7;
<b>Alternative Names</b>	K2C7_HUMAN; K7; Keratin 55k type ii cytoskeletal; Keratin 7; Keratin simple epithelial type 1 k7; Keratin type II cytoskeletal 7
<b>Gene ID</b>	3855
<b>SwissProt ID</b>	P08729
<b>Immunogen</b>	A synthetic peptide of human Cytokeratin 7

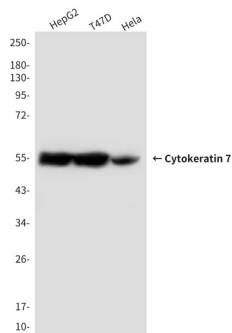
**Background**

K7 a type II cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Phosphorylation of keratins at specific sites affects their organization, assembly dynamics, and their interaction with signaling molecules. Specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels.

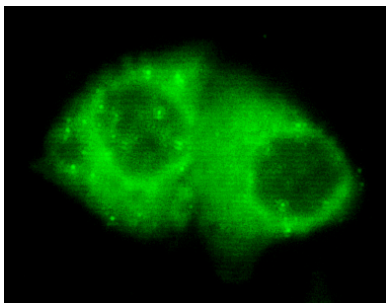
## Research Area

Signal Transduction

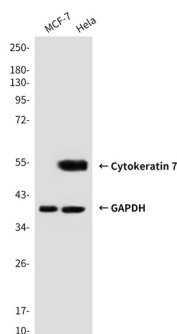
## Image Data



Western blot analysis of Keratin 7(Cterminus) in T47D, HeLa and HepG2 lysates using Keratin 7(Cterminus) antibody.



Immunocytochemistry analysis of Cytokeratin 7 in HeLa cells using Cytokeratin 7 antibody.



Western blot analysis of Cytokeratin 7 (4G9) in HeLa lysates which is positive expression and MCF-7 lysates which is negative expression using Keratin 7(Cterminus) antibody.