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**Product Name: Cytokeratin 7 Rabbit Monoclonal Antibody****Catalog #: AMRe01889**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<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>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 51 kDa; Observed MW: 51 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

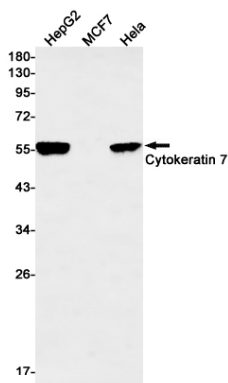
**Background**

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.

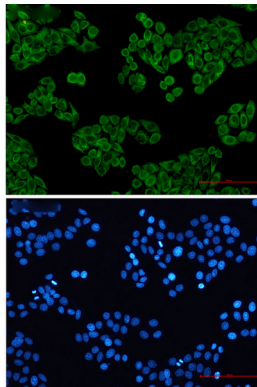
## Research Area

Signal Transduction

## Image Data



Western blot analysis of Cytokeratin 7 in HepG2, MCF-7(negative for Keratin 7, as expected), HeLa lysates using Cytokeratin 7 antibody.



Immunocytochemistry analysis of Cytokeratin 7 (green) in HeLa cells using Cytokeratin 7 antibody, and DAPI (blue)