

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



Summary

Production Name	Cytokeratin 7 (4G9) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB, ICC/IF
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	KRT7 CK 7; CK-7; ck7; Cytokeratin 7; Cytokeratin-7; Cytokeratin7; D15Wsu77e; K2C7;
Alternative Names	K2C7_HUMAN; K7; Keratin 55k type ii cytoskeletal; Keratin 7; Keratin simple epithelial type 1 k7; Keratin type II cytoskeletal 7
Gene ID	3855
SwissProt ID	P08729

Application

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

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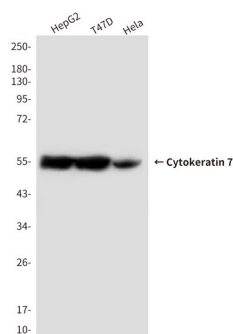
Background

K7 is 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.

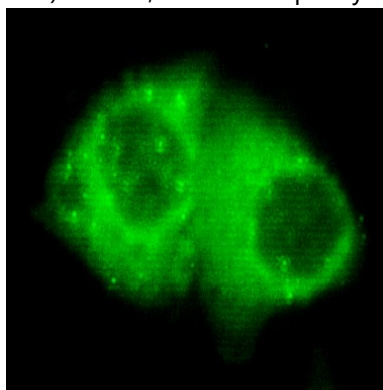
Research Area

Signal Transduction

Image Data

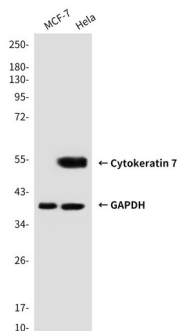


Western blot analysis of Keratin 7(Cterminus) in T47D, HeLa and HepG2 lysates using Keratin 7(Cterminus) antibody.



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

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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.

Note

For research use only.