

Product Name: Cytokeratin 7 (9G9) Mouse Monoclonal Antibody
Catalog #: AMM03577



Summary

Production Name	Cytokeratin 7 (9G9) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC-F,IHC-P,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
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 Purification

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 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:20
Molecular Weight	Calculated MW: 51 kDa; Observed MW: 54 kDa

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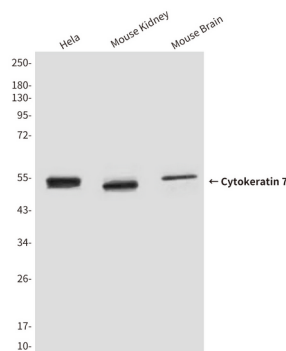
Background

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.

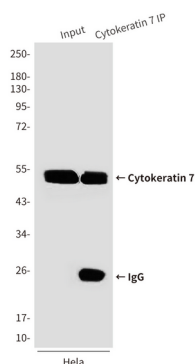
Research Area

Signal Transduction

Image Data

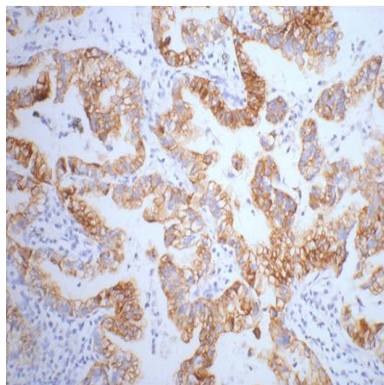


Western blot analysis of Cytokeratin 7 in HeLa, mouse Kidney, mouse Brain using Cytokeratin 7 antibody.

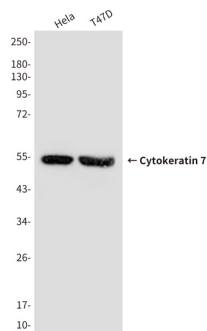


Immunoprecipitation analysis of Cytokeratin 7 in HeLa lysates using Cytokeratin 7 (9G9) antibody

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Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Cytokeratin 7 (9G9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Cytokeratin 7 (9G9) in T47D and Hela lysates using Cytokeratin 7 (9G9) antibody

Note

For research use only.