

**Product Name: Cytokeratin 7 Mouse Monoclonal Antibody**  
**Catalog #: AMM85017**

---

## Summary

|                        |                                         |
|------------------------|-----------------------------------------|
| <b>Production Name</b> | Cytokeratin 7 Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody               |
| <b>Host</b>            | Mouse                                   |
| <b>Application</b>     | WB,IP,IHC,ICC                           |
| <b>Reactivity</b>      | Human,Mouse,Rat                         |

## Performance

|                     |                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                              |
| <b>Modification</b> | Unmodified                                                                                |
| <b>Isotype</b>      | Mouse IgG1                                                                                |
| <b>Clonality</b>    | Monoclonal                                                                                |
| <b>Form</b>         | Liquid                                                                                    |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.  |
| <b>Buffer</b>       | Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol. |
| <b>Purification</b> | Affinity Purification                                                                     |

## Immunogen

|                          |                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | Cytokeratin 7<br>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>           | 3855.0                                                                                                                           |
| <b>SwissProt ID</b>      | P08729.Synthetic Peptide of CK7                                                                                                  |

## Application

|                         |                                                            |
|-------------------------|------------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB:1:500-1:1000,IP:1:10-1:20,IHC:1:50-1:100,ICC:1:50-1:200 |
| <b>Molecular Weight</b> | Calculated MW: 51 kDa; Observed MW: 54 kDa                 |

---

**Product Name: Cytokeratin 7 Mouse Monoclonal Antibody**  
**Catalog #: AMM85017**

---

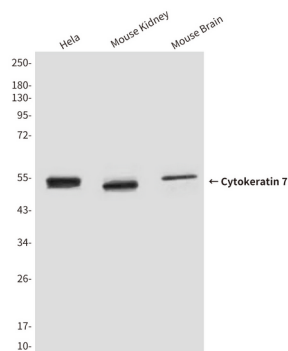


## Background

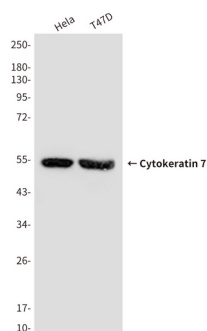
K7 is a type II cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Phosphorylation of keratins at specific sites affects their organization, assembly dynamics, and their 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

## Image Data

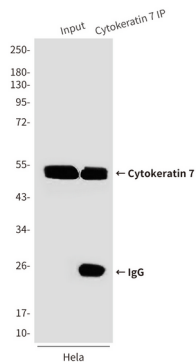


Western blot analysis of Cytokeratin 7 in HeLa, mouse Kidney, mouse Brain using Cytokeratin 7 antibody.

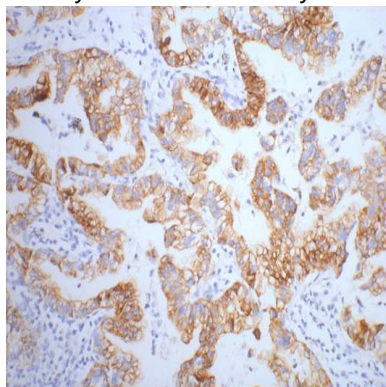


Western blot analysis of Cytokeratin 7 in T47D and HeLa lysates using Cytokeratin 7 antibody

**Product Name: Cytokeratin 7 Mouse Monoclonal Antibody**  
**Catalog #: AMM85017**



Immunoprecipitation analysis of Cytokeratin 7 in HeLa lysates using Cytokeratin 7 antibody



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

## Note

For research use only.