

## CYTOKERATIN 7 (4G9) MOUSE MAB

**Cat.#:** N261023

**Product Name:** Anti-Cytokeratin 7 (4G9) Mouse Monoclonal Antibody

**Synonyms:** CK 7; CK-7; ck7; Cytokeratin 7; Cytokeratin-7; Cytokeratin7; D15Wsu77e; K2C7; K2C7\_HUMAN; K7; Keratin 55k type ii cytoskeletal; Keratin 7; Keratin simple epithelial type 1 k7; Keratin type II cytoskeletal 7

**UNIPROT ID:** P08729

**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.

**Immunogen:** Purified recombinant human Keratin 7 protein fragments expressed in E.coli.

**Applications:** WB,ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 4G9-D8-H6

**MW:** Calculated MW: 51 kDa; Observed MW: 55 kDa

**Isotype:** IgG2b

**Purification:** Affinity Purified

**Species Reactivity:** Human

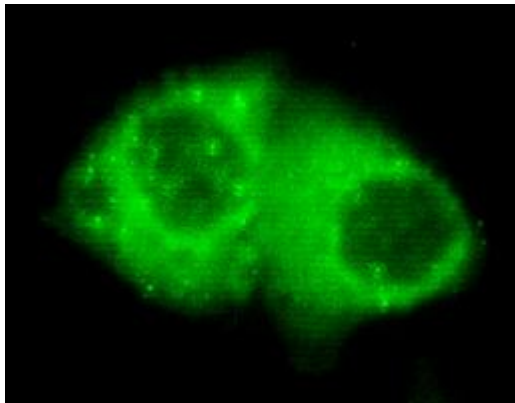
**Conjugation:** Unconjugated

**Modification:** Unmodified

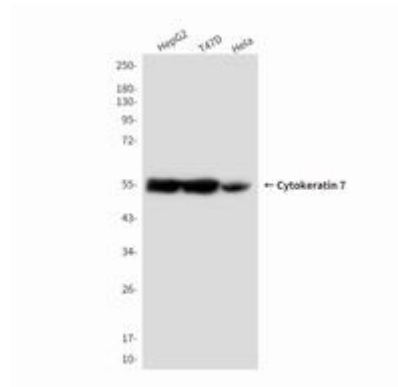
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

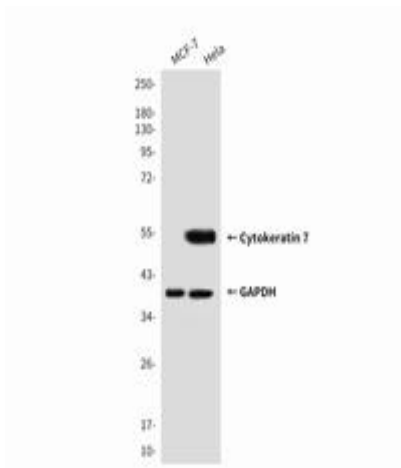
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



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



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