# Anti-Human Cytokeratin 7 Purified

**Catalog Number:** 14-9005
**Also known as:** keratin 7
**RUO: For Research Use Only. Not for use in diagnostic procedures.**

## Product Information

**Contents:** Anti-Human Cytokeratin 7 Purified
REF **Catalog Number:** 14-9005
**Clone:** LP5K
**Concentration:** 0.5 mg/mL
**Host/Isotype:** Mouse IgG2b

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
**Temperature Limitation:** Store at 2-8°C.
LOT **Batch Code:** Refer to vial
**Use By:** Refer to vial

## Description

This LP5K monoclonal antibody reacts with human cytokeratin 7 (K7), a 54-kDa type II (or basic) keratin expressed either alone or paired with cytokeratin 19 in simple epithelia, mesothelium, urothelium, and pseudostratified epithelium. Expression of cytokeratin 7 in the gastric foveolar, intestinal, and stratified squamous epithelia is extremely low or undetectable. Cytokeratins form the intracellular cytoskeletal network that maintains the integrity and stability of cells and tissues. In addition, most carcinomas express cytokeratin 7. The coordinated expression of this keratin with cytokeratin 20 is commonly used as a diagnostic marker for a variety of carcinomas.

## Applications Reported

This LP5K antibody has been reported for use in immunoblotting (WB) and immunocytochemistry (ICC).

## Applications Tested

This LP5K antibody has been tested by immunofluorescent staining of paraformaldehyde fixed and permeabilized cells. This can be used at less than or equal to 10 µg/mL. It is recommended that the antibody be titrated for optimal performance in the assay of interest.

## References

Moll R, Divo M, Langbein L. The human keratins: biology and pathology. Histochem Cell Biol. 2008 Jun;129(6):705-33. Review.

Chu P, Wu E, Weiss LM. Cytokeratin 7 and cytokeratin 20 expression in epithelial neoplasms: a survey of 435 cases. Mod Pathol. 2000 Sep;13(9):962-72.

Sato Y, Fujiwara H, Zeng BX, Higuchi T, Yoshioka S, Fujii S. Platelet-derived soluble factors induce human extravillous trophoblast migration and differentiation: platelets are a possible regulator of trophoblast infiltration into maternal spiral arteries. Blood. 2005 Jul 15;106(2):428-35. (**LP5K**, ICC)

## Related Products

14-4732 Mouse IgG2b K Isotype Control Purified
93-2317 Streptavidin eFluor® 605NC (for IHC/ICC)
95-2317 Streptavidin eFluor® 650NC (for IHC/ICC)


Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com