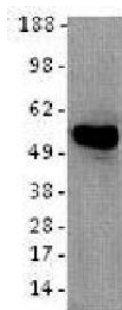


Anti-Human Cytokeratin 8 Purified

Catalog Number: 14-9938

Also known as: keratin-8, CK8

RUO: For Research Use Only. Not for use in diagnostic procedures.



Immunoblotting of reduced A549 cell lysate with 5 µg/mL of Anti-Human Cytokeratin 8 Purified. Bands were visualized using Anti-Mouse IgG HRP.

Product Information

Contents: Anti-Human Cytokeratin 8 Purified
Catalog Number: 14-9938
Clone: LP3K
Concentration: 0.5 mg/mL
Host/Isotype: Mouse IgG1

REF



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

This LP3K monoclonal antibody reacts with human cytokeratin 8 (K8), a 55-kDa member of the family of intermediate filament proteins. Cytokeratin 8 is a type II (or basic) keratin that is expressed in epithelial and carcinoma cells. Cytokeratins form the intracellular cytoskeletal network that maintains the integrity and stability of cells and tissues. More specifically, studies have demonstrated the involvement of cytokeratin 8 in protection against apoptosis, stress, or injury, as well as regulation of the cell cycle. This keratin is frequently co-expressed with cytokeratin 18, a type I (or acidic) keratin as a heterodimer. Although detected primarily in the cytoplasm of normal healthy cells, cytokeratin 8 has been found to localize to the plasma membrane in some tumor cells. Finally, cytokeratin 8 is phosphorylated on serine 73 in dividing cells.

Applications Reported

This LP3K antibody has been reported for use in immunoblotting (WB) and immunocytochemistry.

Applications Tested

This LP3K antibody has been tested by western blot analysis of reduced A549 cell lysate, as well as by immunocytochemistry of A549 cells. For western blotting, this antibody can be used at 1-10 µg/mL. For immunocytochemistry, LP3K can be used at 1 µg/mL. It is recommended that the antibody be carefully 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.
- Gires O, Andratschke M, Schmitt B, Mack B, Schaffrik M. Cytokeratin 8 associates with the external leaflet of plasma membranes in tumour cells. *Biochem Biophys Res Commun.* 2005 Mar 25;328(4):1154-62.
- Waseem A, Karsten U, Leigh IM, Purkis P, Waseem NH, Lane EB. Conformational changes in the rod domain of human keratin 8 following heterotypic association with keratin 18 and its implication for filament stability. *Biochemistry.* 2004 Feb 10;43(5):1283-95. (LP3K, WB)

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Related Products

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

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