

# Phospho-Cytokeratin 8 (KRT8)-S74 Rabbit pAb

Catalog No.: AP1299

## Basic Information

### Observed MW

60kDa

### Calculated MW

54kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human

## Background

This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

3856

### Swiss Prot

P05787

### Immunogen

A synthetic phosphorylated peptide around S74 of human Cytokeratin 8 (NP\_002264.1).

### Synonyms

K8; KO; CK8; CK-8; CYK8; K2C8; CARD2; Phospho-Cytokeratin 8 (KRT8)-S74

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

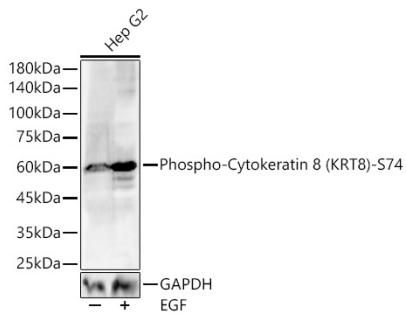
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from Hep G2, using Phospho-Cytokeratin 8 (KRT8)-S74 Rabbit pAb (AP1299) at 1:1000 dilution. Hep G2 cells were treated by EGF (100 ng/ml) at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.