## 35-1277: Polyclonal Antibody to Keratin 8 (Phospho-Ser74)

| Clonality : | Polyclonal |
| :--- | :--- |
| Application : | WB,IF |
| Reactivity : | Human |
| Gene: | KRT8 |
| Gene ID : | 3856 |
| Uniprot ID : | P05787 |
| Format: | Purified |
| Alternative Name: | CK 8, CK8, CYK8, Cytokeratin endo A, K8 |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Peptide sequence around phosphorylation site of serine 74 (L-L-S(p)-P-L) derived from Human |
|  | Keratin 8 (CK8). |

## Description

Keratin 8 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. Nakamichi I, et al. (2002) Mol Biol Cell; 13(10): 3441-3451. Prochasson P, et al. (2002) Nucleic Acids Res; 30(15): 3312-3322. Pankov R, et al. (1994) Proc Natl Acad Sci U S A; 91(3): 873-877. Thorey IS, et al. (1993) Mol Cell Biol; 13(11): 6742-6751

## Product Info

Amount :
$50 \mu \mathrm{l} / 100 \mu \mathrm{l}$
Content:
Supplied at $1.0 \mathrm{mg} / \mathrm{mL}$ in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM $\mathrm{NaCl}, 0.02 \%$ sodium azide and $50 \%$ glycerol.
Store the antibody at $4^{\circ} \mathrm{C}$, stable for 6 months. For long-term storage, store at $-20^{\circ} \mathrm{C}$. Avoid repeated freeze and thaw cycles.

## Application Note

Predicted MW: 55kd, Western blotting: 1:500~1:1000, Immunofluorescence: 1:100~1:200


Figure 1: Western blot analysis of extracts from HepG2 cells untreated or treated with EGF using Keratin 8(Phospho-Ser74) Antibody 35-1277.


Figure 2: Immunofluorescence staining of methanol-fixed Hela cells using Keratin 8(Phospho-Ser74) Antibody 35-1277

Figure 3: Western blot analysis of extracts from 293 cells, treated with calf intestinal phosphatase (CIP), using Keratin 8 (Phospho-Ser74) Antibody 35-1277 .

