

# Cytokeratin 18 (phospho-Ser33) Polyclonal Antibody

Catalog No: #13933

Package Size: #13933-1 50ul #13933-2 100ul

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## Description

|                       |                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Cytokeratin 18 (phospho-Ser33) Polyclonal Antibody                                                                                           |
| Host Species          | Rabbit                                                                                                                                       |
| Clonality             | Polyclonal                                                                                                                                   |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                        |
| Applications          | WB,IHC-p,IF/ICC,ELISA                                                                                                                        |
| Species Reactivity    | Human;Mouse;Rat                                                                                                                              |
| Specificity           | Phospho-Cytokeratin 18 (S33) Polyclonal Antibody detects endogenous levels of Cytokeratin 18 protein only when phosphorylated at S33.        |
| Immunogen Description | The antiserum was produced against synthesized peptide derived from human Keratin 18 around the phosphorylation site of Ser33. AA range:1-50 |
| Conjugates            | Unconjugated                                                                                                                                 |
| Other Names           | KRT18; CYK18; PIG46; Keratin; type I cytoskeletal 18; Cell proliferation-inducing gene 46 protein; Cytokeratin-18; CK-18; Keratin-18; K18    |
| Accession No.         | Swiss Prot:P05783GeneID:3875                                                                                                                 |
| SDS-PAGE MW           | 47                                                                                                                                           |
| Concentration         | 1 mg/ml                                                                                                                                      |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                      |
| Storage               | -20°C/1                                                                                                                                      |

## Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.

## Background

keratin 18(KRT18) Homo sapiens KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008],

## Published Papers

Simon Nagler;Yalda Ghoreishi;Catherine Kollmann;Matthias Kelm;Brenda Gerull;Jens Waschke;Natalie Burkard;Nicolas Schlegel et al., Plakophilin 2 regulates intestinal barrier function by modulating protein kinase C activity in vitro, , (2023)

[PMID:36280901](https://pubmed.ncbi.nlm.nih.gov/36280901/)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.