

Keratin 18(Phospho-Ser33) Antibody

Catalog No: #11306



Package Size: #11306-1 50ul #11306-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

| | |
|-----------------------|--|
| Product Name | Keratin 18(Phospho-Ser33) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB IHC |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of Keratin 18 only when phosphorylated at serine 33. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 33 (A-A-S(p)-V-Y) derived from Human Keratin 18 (CK18). |
| Target Name | Keratin 18 |
| Modification | Phospho |
| Other Names | CK 18; CK18; CYK18; Cytokeratin endo B; K18 |
| Accession No. | Swiss-Prot: P05783NCBI Protein: NP_000215.1 |
| Uniprot | P05783 |
| GeneID | 3875; |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

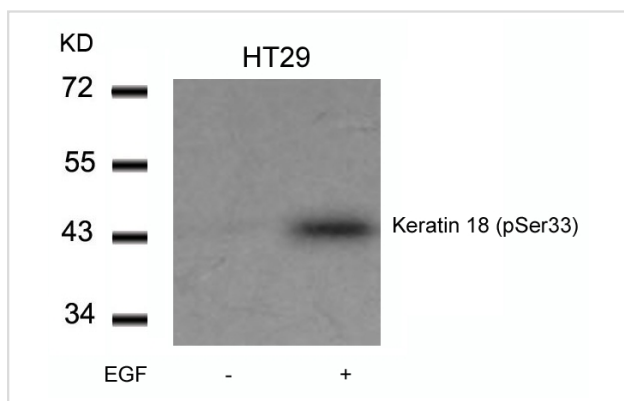
Application Details

Predicted MW: 46kd

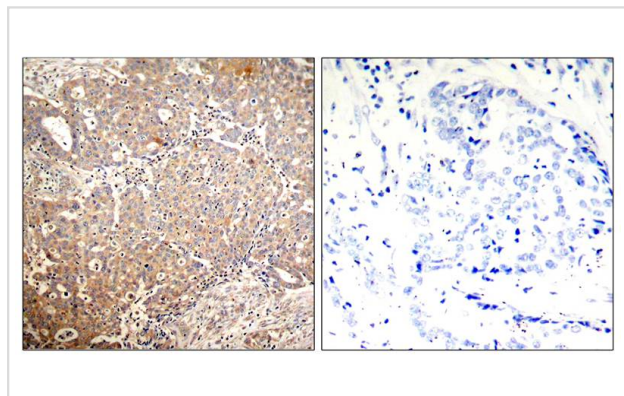
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HT29 cells untreated or treated with EGF using Keratin 18(Phospho-Ser33) Antibody #11306.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Keratin 18(Phospho-Ser33) Antibody #11306(left) or the same antibody preincubated with blocking peptide(right).

Background

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.

Ramaekers, F.C. and Bosman, F.T. (2004) *J. Pathol.* 204, 351-354.

Chang, L. and Goldman, R.D. (2004) *Nat. Rev. Mol. Cell Biol.* 5, 601-613.

Moll, R. et al. (1982) *Cell* 31, 11-24.

Note: This product is for in vitro research use only