

## Keratin 18(Phospho-Ser33) Antibody

Catalog No: #11306

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

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## 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 <sup>2+</sup> and Ca <sup>2+</sup> ), 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.

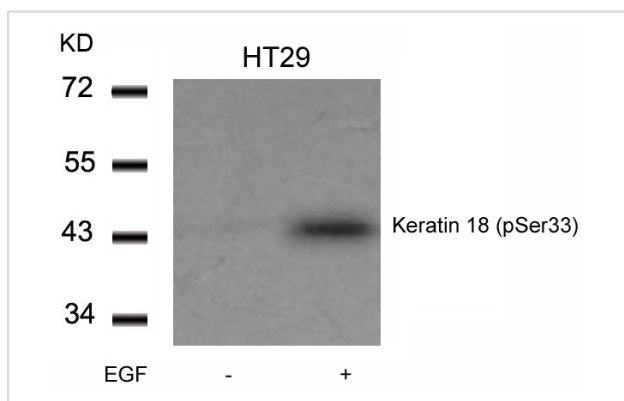
## Application Details

Predicted MW: 46kd

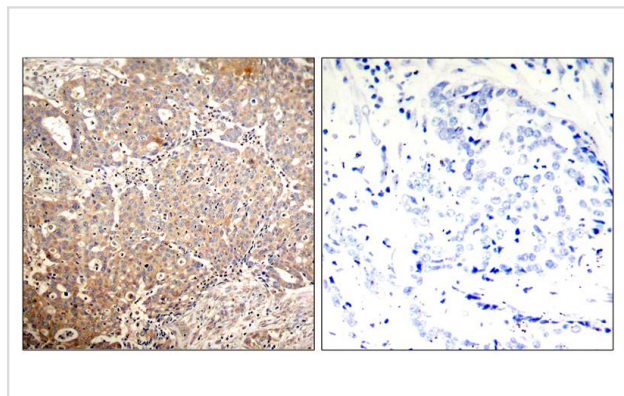
Western blotting: 1:500~1:1000

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