

## Keratin 8(Ab-74) Antibody

Catalog No: #21307

Package Size: #21307-1 50ul #21307-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Keratin 8(Ab-74) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Keratin 8 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.72~76 (L-L-S-P-L) derived from Human Keratin 8 (CK8).
Target Name	Keratin 8
Other Names	CK 8; CK8; CYK8; Cytokeratin endo A; K8
Accession No.	Swiss-Prot: P05787NCBI Protein: NP_002264.1
Uniprot	P05787
GeneID	3856;
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

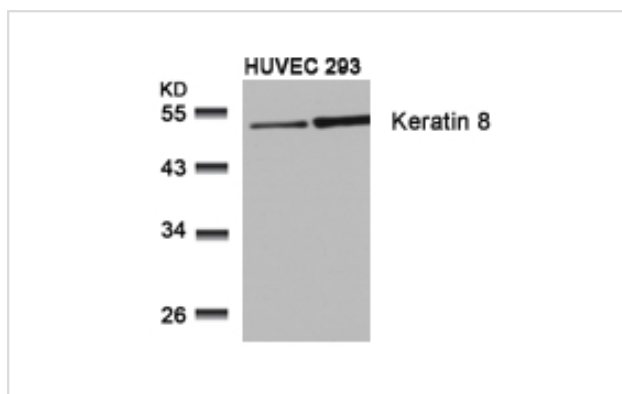
Predicted MW: 55kd

Western blotting: 1:500~1:1000

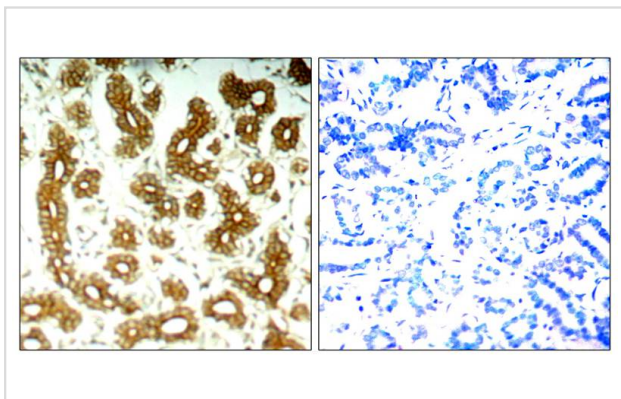
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

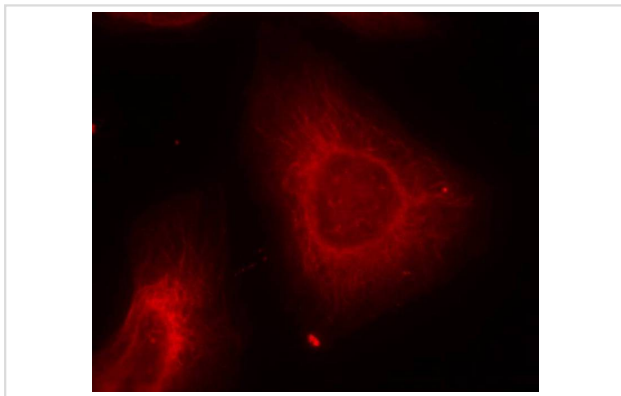
## Images



Western blot analysis of extracts from HUVEC and 293 cells using Keratin 8(Ab-74) Antibody #21307.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Keratin 8(Ab-74) Antibody #21307(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using Keratin 8(Ab-74) Antibody #21307.

## Background

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.

Note: This product is for in vitro research use only