

## 35-1632: Polyclonal Antibody to Keratin 8 (Ab-74)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	KRT8
<b>Gene ID :</b>	3856
<b>Uniprot ID :</b>	P05787
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CK 8, CK8, CYK8, Cytokeratin endo A, K8
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.72~76 (L-L-S-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.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	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.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 55kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

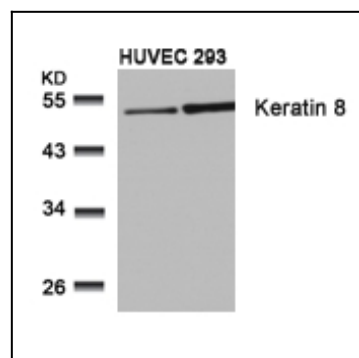


Figure 1: Western blot analysis of extracts from HUVEC and 293 cells using Keratin 8(Ab-74) Antibody 35-1632 .

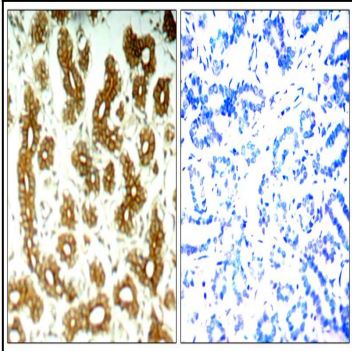


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Keratin 8(Ab-74) Antibody 35-1632 (left) or the same antibody preincubated with blocking peptide(right).

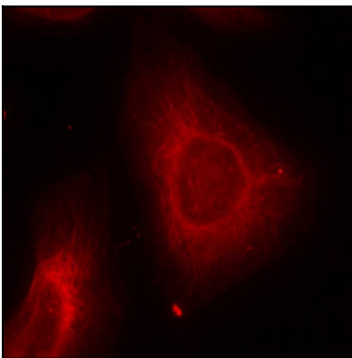


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using Keratin 8(Ab-74) Antibody 35-1632 .