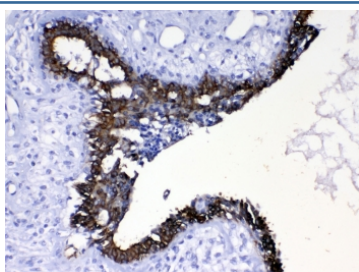


Cytokeratin 8 Antibody (R32667)

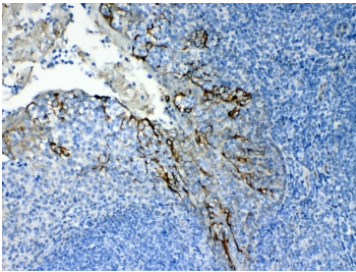
Catalog No.	Formulation	Size
R32667	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

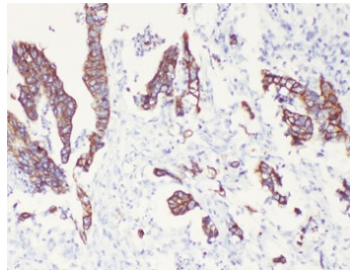
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P05787
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Cytokeratin 8 antibody is available for research use only.



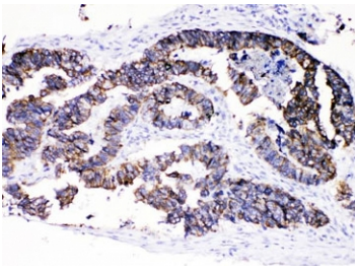
Cytokeratin 8 Antibody Breast Cancer IHC. Immunohistochemical staining of FFPE human breast cancer tissue using Cytokeratin 8 Antibody at 1 μ g/ml demonstrates strong membranous and cytoplasmic HRP-DAB brown staining within malignant epithelial cells lining glandular and duct-like tumor structures. The staining pattern is consistent with expression of Cytokeratin 8 (CK8/KRT8), a type II intermediate filament protein widely expressed in simple epithelial tissues and epithelial-derived carcinomas. Cytokeratin 8 immunoreactivity highlights neoplastic epithelial cell populations and supports evaluation of epithelial differentiation and tumor-associated architecture in breast cancer specimens. Required HIER: steam tissue sections in pH 6 citrate buffer for 20 minutes and allow to cool prior to testing.



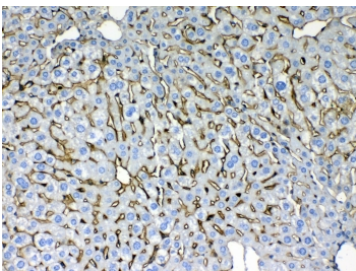
Cytokeratin 8 Antibody Tonsil IHC. Immunohistochemical staining of FFPE human tonsil tissue using Cytokeratin 8 Antibody at 1 $\mu\text{g/ml}$ demonstrates distinct membranous and cytoplasmic HRP-DAB brown staining within epithelial cell populations, while the surrounding lymphoid-rich regions remain largely negative. The staining pattern is consistent with expression of Cytokeratin 8 (CK8/KRT8), a type II intermediate filament protein expressed in simple epithelial tissues but not typically in lymphoid cells. Cytokeratin 8 immunoreactivity highlights epithelial structures within the tonsil and supports identification of epithelial differentiation in complex tissue specimens. Required HIER: steam tissue sections in pH 6 citrate buffer for 20 minutes and allow to cool prior to testing.



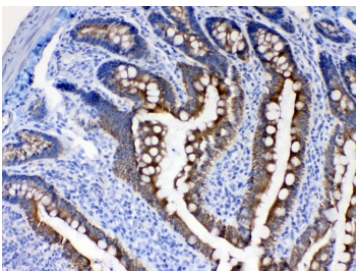
Cytokeratin 8 Antibody Intestinal Cancer IHC. Immunohistochemical staining of FFPE human intestinal cancer tissue using Cytokeratin 8 Antibody at 1 $\mu\text{g/ml}$ demonstrates strong membranous and cytoplasmic HRP-DAB brown staining within malignant epithelial cells forming glandular and tumor-associated epithelial structures. The staining pattern is consistent with expression of Cytokeratin 8 (CK8/KRT8), a type II intermediate filament protein widely expressed in simple epithelial tissues and epithelial-derived carcinomas. Cytokeratin 8 immunoreactivity highlights neoplastic epithelial differentiation and tumor architecture, supporting its utility as an epithelial lineage marker in intestinal cancer specimens. Required HIER: steam tissue sections in pH 6 citrate buffer for 20 minutes and allow to cool prior to testing.



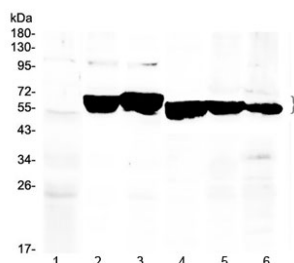
Cytokeratin 8 Antibody Intestinal Cancer IHC. Immunohistochemical staining of FFPE human intestinal cancer tissue using Cytokeratin 8 Antibody at 1 $\mu\text{g/ml}$ demonstrates strong membranous and cytoplasmic HRP-DAB brown staining throughout malignant epithelial cells forming complex glandular and papillary tumor structures. The staining pattern is consistent with expression of Cytokeratin 8 (CK8/KRT8), a type II intermediate filament protein widely expressed in simple epithelial tissues and epithelial-derived carcinomas. Cytokeratin 8 immunoreactivity highlights neoplastic epithelial architecture and cellular differentiation, supporting its utility as an epithelial lineage marker in intestinal cancer specimens. Required HIER: steam tissue sections in pH 6 citrate buffer for 20 minutes and allow to cool prior to testing.



Cytokeratin 8 Antibody Mouse Liver IHC. Immunohistochemical staining of FFPE mouse liver tissue using Cytokeratin 8 Antibody at 1 $\mu\text{g/ml}$ demonstrates distinct membranous and cytoplasmic HRP-DAB brown staining within hepatocytes throughout the hepatic parenchyma. The staining pattern is consistent with expression of Cytokeratin 8 (CK8/KRT8), a type II intermediate filament protein that contributes to epithelial cytoskeletal organization and structural integrity. Cytokeratin 8 immunoreactivity highlights hepatocellular morphology and cell boundaries, supporting its utility as a marker of epithelial lineage and hepatic tissue architecture. Required HIER: steam tissue sections in pH 6 citrate buffer for 20 minutes and allow to cool prior to testing.



Cytokeratin 8 Antibody Rat Intestine IHC. Immunohistochemical staining of FFPE rat intestine tissue using Cytokeratin 8 Antibody at 1 $\mu\text{g/ml}$ demonstrates strong membranous and cytoplasmic HRP-DAB brown staining within intestinal epithelial cells lining glandular and mucosal structures. The staining pattern is consistent with expression of Cytokeratin 8 (CK8/KRT8), a type II intermediate filament protein widely expressed in simple epithelial tissues where it contributes to cytoskeletal organization and epithelial integrity. Cytokeratin 8 immunoreactivity highlights intestinal epithelial architecture and cellular organization while surrounding stromal elements exhibit minimal staining. Required HIER: steam tissue sections in pH 6 citrate buffer for 20 minutes and allow to cool prior to testing.



Cytokeratin 8 Antibody Multi-Species Western Blot. Western blot analysis of rat liver (lane 1), mouse ovary (lane 2), mouse liver (lane 3), human MCF7 (lane 4), human A549 (lane 5), and human HeLa (lane 6) lysates using Cytokeratin 8 Antibody at 0.5 μ g/ml demonstrates a prominent band at approximately 54-56 kDa, consistent with the predicted molecular weight of Cytokeratin 8 (CK8/KRT8). Cytokeratin 8 is a type II intermediate filament protein widely expressed in simple epithelial tissues and epithelial-derived cell lines, where it contributes to cytoskeletal organization, epithelial integrity, and cellular stress-response pathways. Detection of the expected molecular weight band across rodent tissues and human cell lines supports cross-species reactivity and the suitability of this antibody for western blot applications.

Description

Keratin, type II cytoskeletal 8, also known as cytokeratin-8 (CK-8) or keratin-8 (K8) is a keratin protein that is encoded in humans by the KRT8 gene. This gene 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. Alternatively spliced transcript variants have been found for this gene.

Researchers seeking protein microarray validated detection of Keratin 8 for epithelial differentiation, cytoskeletal biology, and cancer research applications may also be interested in our [Cytokeratin 8 Antibody](#) page.

Application Notes

Optimal dilution of the Cytokeratin 8 antibody should be determined by the researcher.

Immunogen

Amino acids D107-K325 from the human protein were used as the immunogen for the Cytokeratin 8 antibody.

Storage

After reconstitution, the Cytokeratin 8 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.