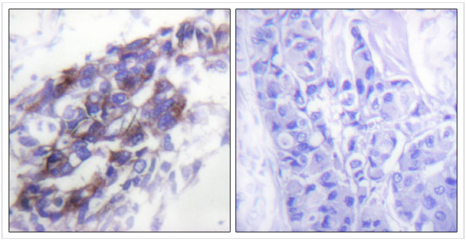
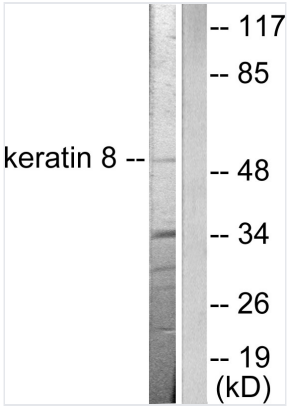
Keratin 8 (KRT8) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Keratin 8 (KRT8), Polyclonal Antibody
Full Product Name	Keratin 8 Antibody
Product Gene Name	anti-KRT8 antibody
Product Synonym Names	CK 8; CK8; CYK8; Cytokeratin endo A; K2C8; K8; KRT2-8; KRT8; Keratin; type II cytoskeletal 8; cytokeratin 8
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	Keratin 8 Antibody detects endogenous levels of total Keratin 8 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	53 kDa
OMIM	M34482 Genomic DNA
3D Structure	ModBase 3D Structure for P05787
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human Keratin 8.
Immunogen Range	434-483
Applications Tested/Suitable for anti-KRT8 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-KRT8 antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:40000
Related Product Information for anti-KRT8 antibody	MBS9504650 is an antibody targeting KRT8. Also known as Keratin 8 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-KRT8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-KRT8 antibody
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Keratin 8 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot (WB) of anti-KRT8 antibody
Western blot analysis of lysates from SKOV3 cells, using Keratin 8 Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT8. It may not necessarily be applicable to this product.

NCBI GI #	372466577
NCBI GeneID	3856
NCBI Accession #	NP_001243222.1
UniProt Primary Accession #	P05787
UniProt Secondary Accession #	Q14099; Q14716; Q14717; Q53GJ0; Q6DHW5; Q6GMY0; Q6P4C7; Q96J60; A8K4H3; B0AZN5; F8VXB4
UniProt Related Accession #	P05787
GenBank Nucleotide #	NM_001256293.1
NCBI Official Full Name	keratin, type II cytoskeletal 8 isoform 2
NCBI Official Synonym Full Names	keratin 8
NCBI Official Symbol	KRT8
NCBI Official Synonym Symbols	K8; KO; CK8; CK-8; CYK8; K2C8; CARD2
UniProt Protein Name	Keratin, type II cytoskeletal 8
UniProt Synonym Protein Names	Cytokeratin-8; CK-8; Keratin-8; K8; Type-II keratin Kb8
Protein Family	Keratin
UniProt Gene Name	KRT8
UniProt Synonym Gene Names	CYK8; CK-8; K8
NCBI Protein Information	keratin, type II cytoskeletal 8
NCBI Summary for KRT8	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. [provided by RefSeq, Jan 2012]
UniProt Comments for KRT8	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
Research Articles on KRT8	**1.** regulated enhancement of autophagy with concurrent increased expression of KRT8 and the inhibition of KRT8 phosphorylation serve to inhibit oxidative stress-induced epithelial-mesenchymal transitionof retinal pigment epithelium cells.

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