

Rabbit Anti-KRT8 Polyclonal Antibody

CPB-823RH Rabbit(KRT8)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-KRT8 Polyclonal Antibody
Antigen 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.
specificity	The antibody detects endogenous level of KRT8 only when phosphorylated at serine 74.
Target	KRT8
Immunogen	Peptide sequence around phosphorylation site of serine 74 (L-L-S(p)-P-L) derived from Human KRT8.
Host	Rabbit
Species	Human
Cross Reactivity	Human
conjugation	N/A
Applications	IFA, WB

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	KRT8 keratin 8 [Homo sapiens]
Official Symbol	KRT8
Synonyms	KRT8; keratin 8; keratin, type II cytoskeletal 8; CARD2; CK8; CYK8; K2C8; K8; KO; cytokeratin 8; cytokeratin-8; type-II keratin Kb8; CK-8;
GeneID	3856
mRNA Refseq	NM_001256282
Protein Refseq	NP_001243211
MIM	148060
UniProt ID	P05787
Chromosome Location	12q13
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem; Signaling mediated by p38-alpha and p38-beta, organism-specific biosystem;

Function protein binding; structural molecule activity;