Keratin 8 (Phospho-Ser74) Conjugated Antibody

Catalog No: #C11307

Package Size: #C11307-AF350 100ul #C11307-AF405 100ul #C11307-AF488 100ul #C11307-AF555 100ul #C11307-AF594 100ul #C11307-AF647 100ul #C11307-AF680 100ul #C11307-AF750 100ul #C11307-Biotin 100ul

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Description

Product Name	Keratin 8 (Phospho-Ser74) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of Keratin 8 only when phosphorylated at serine 74.
Immunogen Description	Peptide sequence around phosphorylation site of serine 74 (L-L-S(p)-P-L) derived from Human Keratin 8 (CK8).
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CK 8;CK8;CYK8;Cytokeratin endo A;K8
Accession No.	Swiss-Prot#:P05787NCBI Gene ID:3856NCBI mRNA#:NM_002273.3NCBI Protein#:NP_002264.1
Uniprot	P05787
GeneID	3856;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	55
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

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.

Note: This product is for in vitro research use only