

Cytokeratin 18 Conjugated Antibody

Catalog No: #C48696



Package Size: #C48696-AF350 100ul #C48696-AF405 100ul #C48696-AF488 100ul
 #C48696-AF555 100ul #C48696-AF594 100ul #C48696-AF647 100ul
 #C48696-AF680 100ul #C48696-AF750 100ul #C48696-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	Cytokeratin 18 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Cell proliferation inducing gene 46 protein antibody Cell proliferation inducing protein 46 antibody Cell proliferation-inducing gene 46 protein antibody CK 18 antibody CK-18 antibody CK18 antibody CYK 18 antibody CYK18 antibody Cytokeratin 18 antibody Cytokeratin endo B antibody Cytokeratin-18 antibody K 18 antibody K18 antibody K1C18_HUMAN antibody KA18 antibody Keratin 18 antibody Keratin 18, type I antibody Keratin D antibody keratin, type I cytoskeletal 18 antibody Keratin-18 antibody Krt18 antibody
Accession No.	Swiss-Prot#:P05783
Uniprot	P05783
GeneID	3875;
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	48 kDa
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

Background

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation which is directly applicable to the characterization of malignant tumors. For example, Cytokeratins 10 and 13 are expressed highly in a subset of squamous cell carcinomas while Cytokeratin 18 is expressed in a majority of adenocarcinomas and basal cell carcinomas. Cytokeratin 18 contains two major phosphorylation sites on Ser 33 and Ser 52. Phosphorylation of Ser 18 is essential for the association of Cytokeratin 18 with 14-3-3 proteins and is involved in keratin organization and distribution.

Note: This product is for in vitro research use only