

## Cytokeratin 20 Conjugated Antibody

Catalog No: #C48624



Package Size: #C48624-AF350 100ul #C48624-AF405 100ul #C48624-AF488 100ul  
 #C48624-AF555 100ul #C48624-AF594 100ul #C48624-AF647 100ul  
 #C48624-AF680 100ul #C48624-AF750 100ul #C48624-Biotin 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
 Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Cytokeratin 20 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CD20 antibody CK 20 antibody CK-20 antibody CK20 antibody Cytokeratin-20 antibody Cytokeratin20 antibody K1C20_HUMAN antibody K20 antibody KA20 antibody Keratin 20 antibody keratin 20, type I antibody keratin 21, rat, homolog of antibody Keratin antibody Keratin type I cytoskeletal 20 antibody Keratin-20 antibody Keratin20 antibody KRT 20 antibody KRT 21 antibody KRT20 antibody KRT21 antibody MGC35423 antibody OTTHUMP00000164518 antibody Protein IT antibody type I cytoskeletal 20 antibody
Accession No.	Swiss-Prot#:P35900
Uniprot	P35900
GeneID	54474;
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	44 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

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## Background

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Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue, where they constitute up to 85% of mature keratinocytes in the vertebrate epidermis. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. The  $\alpha$ -helical coiled-coil dimers associate laterally end-to-end to form 10 nm diameter filaments. Cytokeratins are useful markers of tissue differentiation, and in addition, they aid in the characterization of malignant tumors. Cytokeratin 20 is abundantly expressed in goblet cells and enterocytes of the gastrointestinal tract, and Cytokeratin 20 is a useful marker of pancreatic and colorectal cancer. Cytokeratin 20 is also helpful in distinguishing different types of highly related carcinomas, such as renal oncocytomas from renal cell carcinomas.

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Note: This product is for in vitro research use only