## **MUC2** Conjugated Antibody

Catalog No: #C37169



Package Size: #C37169-AF350 100ul #C37169-AF405 100ul #C37169-AF488 100ul

#C37169-AF555 100ul #C37169-AF594 100ul #C37169-AF647 100ul

#C37169-AF680 100ul #C37169-AF750 100ul #C37169-Biotin 100ul

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

## Description

Host Species Rabbit  Clonality Polyclonal  Species Reactivity Hu  Specificity The antibody detects endogenous levels of total MUC2 protein.  Immunogen Description Synthetic peptide corresponding to a region derived from internal residues of human mucin 2, oligomeric mucus/gel-forming  Conjugates Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750  Other Names MLP, SMUC, MUC-2  Accession No. Swiss-Prot#:Q02817NCBI Gene ID:4583NCBI Protein#:NP_005952  Uniprot Q02817  GeneID :4583  Excitation Emission AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF680: 679nm/775nm  Formulation 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide		
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mucus/gel-forming	Specificity	The antibody detects endogenous levels of total MUC2 protein.
Conjugates         Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750           Other Names         MLP, SMUC, MUC-2           Accession No.         Swiss-Prot#:Q02817NCBI Gene ID:4583NCBI Protein#:NP_005952           Uniprot         Q02817           GeneID         :4583           Excitation Emission         AF350: 346nm/442nm           AF405: 401nm/421nm         AF488: 493nm/519nm           AF555: 555nm/565nm         AF559: 555nm/565nm           AF594: 591nm/614nm         AF647: 651nm/667nm           AF680: 679nm/702nm         AF750: 749nm/775nm           Formulation         0.01M Sodium Phosphate, 0.25M NaCI, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide	Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human mucin 2, oligomeric
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		AF750: 749nm/775nm
Storage Store at 4°C in dark for 6 months	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

This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80% is composed of oligosaccharide side chains by weight. The protein features a central domain containing tandem repeats rich in threonine and proline that varies between 50 and 115 copies in different individuals. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

Note: This product is for in vitro research use only