



# Mouse Anti-Human MUC2 monoclonal antibody, clone JID735 (CABT-L2929)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
<b>Specificity</b>	Human MUC2
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	JID735
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC
<b>Reconstitution</b>	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
<b>Positive Control</b>	Colon
<b>Format</b>	Liquid
<b>Size</b>	Predilut: 7ml; Concentrate: 100ul, 1ml. Positive control slides also available.
<b>Buffer</b>	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA
<b>Preservative</b>	<0.1% Sodium Azide
<b>Storage</b>	Store at 2-8°C. Do not freeze.
<b>Ship</b>	Wet ice
<b>Warnings</b>	This antibody is intended for use in Immunohistochemical applications on formalinixed paraffin-

## BACKGROUND

<b>Introduction</b>	Mucin 2 (MUC2) is an intestinal glycoprotein that functions to protect the gut lumen by forming an insoluble mucous barrier. Anti-MUC2 stains the colon, breast, and prostate, and the MUC2 IVD antibody is used clinically in gastrointestinal, colonic, breast and prostate neoplasia. This diagnostic grade MUC2 antibody detects goblet cells of the colon and colonic carcinomas, normal and neoplastic breast tissues, and prostate adenocarcinoma.
<b>Keywords</b>	MUC2;mucin 2, oligomeric mucus/gel-forming;MLP;SMUC;MUC-2;mucin-2;intestinal mucin-2;mucin-like protein;mucin 2, intestinal/tracheal;

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## GENE INFORMATION

<b>Gene Name</b>	MUC2 mucin 2, oligomeric mucus/gel-forming [ Homo sapiens (human) ]
<b>Official Symbol</b>	MUC2
<b>Synonyms</b>	MUC2; mucin 2, oligomeric mucus/gel-forming; MLP; SMUC; MUC-2; mucin-2; intestinal mucin-2; mucin-like protein; mucin 2, intestinal/tracheal;
<b>Entrez Gene ID</b>	<a href="#">4583</a>
<b>Protein Refseq</b>	NP_002448
<b>UniProt ID</b>	<a href="#">Q02817</a>
<b>Chromosome Location</b>	11p15.5
<b>Pathway</b>	Amoebiasis; Metabolism of proteins; O-linked glycosylation; O-linked glycosylation of mucins; Post-translational protein modification; Termination of O-glycan biosynthesis; Vibrio cholerae infection;
<b>Function</b>	protein binding;

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