

Product Datasheet

Anti-Mucin 2 (MUC2) Antibody FL490 Conjugate

Overview

Catalog #	RP-4013-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Rabbit Polyclonal
Format	Purified by Protein A Chromatography
Buffer	PBS with 0.09% azide
Applications	IHC, ICC
Species Reactivity	Human
Immunogen	Synthetic MUC2 (23 aa) tandem repeat consensus sequence
Molecular Weight	540 kDa
Cite this Antibody	Antibodies Inc Cat# RP-4013-FL490, RRID: AB_3095394

Details

Target Description	Mucin 2, oligomeric mucus/gel-forming, also known as MUC2, is a human intestinal mucin gene. This gene is expressed in colon, small intestine, colonic tumors, bronchus, cervix, gall bladder, and possibly other tissues. Mucins are high molecular weight glycoproteins having oligosaccharides attached to serine or threonine residue of the apomucin protein backbone by O-glycosidic linkages. This antibody stains normal colon and colonic carcinomas where it produces intense perinuclear staining in goblet cells. It also reacts with normal and neoplastic breast tissues and with prostate carcinoma.
Specificity	No cross-reactivity reported
Purification Method	Prepared from pooled rabbit serum by Protein A affinity chromatography and conjugation of purified antibody.
Quality Control Tests	Each new lot of this antibody is tested to confirm that it recognizes a single immunoreactive band of expected molecular weight when used in Western blot.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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