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# AM20232PU-S Monoclonal Antibody to Alpha 3/4-monofucosylated polylactosaminoglycans - Purified

**Quantity:** 10 µg

**Host / Isotype:** Mouse / IgM

**Recommended Isotype Controls:** SM13P

**Clone:** FW6

**Immunogen:** Purified mucus glycoproteins (Mucins) from Human amniotic fluid.

**Format:**
**State:** Lyophilized purifed Ig fraction
**Purification:** Protein G Chromatography
**Buffer System:** PBS, pH 7.4
**Reconstitution:** Restore in aqua bidest to 1 mg/ml

**Applications:**
**ELISA**.
**Western Blot** (2)
**Immunocytochemistry** (1).
**Immunohistochemistry on Paraffin Sections** (1-3).
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** Alpha-3, 4-monofucosylated polylactosaminoglycans on Mucins, oncofetal antigen
**Species:** Human.
Other species not tested.

**Storage:** Store lyophilized at 2-8°C and reconstituted at -20°C.
Avoid repeated freezing and thawing.
Shelf life: One year from despatch.

**General Readings:**
1. Schwonzen M, Schmits R, Baldus SE, Vierbuchen M, Hanisch FG, Pfreundschuh M, et al. Monoclonal antibody FW6 generated against a mucin-carbohydrate of human amniotic fluid recognises a colonic tumour-associated epitope. Br J Cancer. 1992 Apr;65(4):559-65. PubMed PMID: 1373294.
2. Hanisch FG, Heimbüchel G, Baldus SE, Uhlenbruck G, Schmits R, Pfreundschuh M, et al. Monoclonal antibody FW6 defines an epitope on alpha 3/4-monofucosylated polylactosaminoglycans expressed by fetal and colon carcinoma-associated mucins. Cancer Res. 1993 Sep 15;53(18):4367-75. PubMed PMID: 8364932.
3. Baldus SE, Vierbuchen M, Hanisch FG, Schwonzen M, Fischer R. Expression of alpha-3/4-monofucosylated polylactosaminoglycan epitope, as defined by monoclonal antibody FW6, is a marker of the colorectal adenoma-carcinoma sequence. Cancer. 1995 Sep 15;76(6):954-60. PubMed PMID: 8625220.

## Pictures:

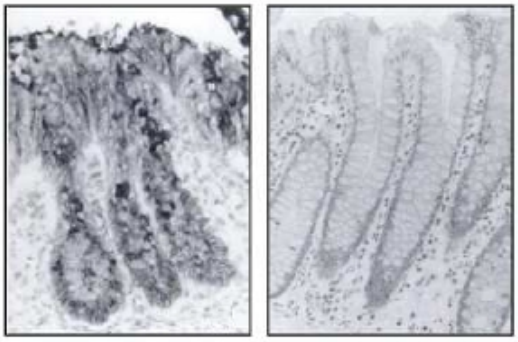

**Figure 1.** Immunohistochemistry image of Mucins in Paraffin Sections of Human embryonic and adult colon mucosa. The sections were incubated with AM20232PU-N/M20232PU-S antibody and detected using a four-step immunoperoxidase technique. 3-Amino-9-ethylcarbazole was used as the chromogen. The sections were counterstained with Haematoxylin. Left: AM20232PU-N/M20232PU-S staining of embryonic colon tissue (epeithelia of the luminal border and goblet cells. Right: Normal adult colonic mucosa lacks AM20232PU-N/M20232PU-S reactivity