

MUC2 Monoclonal Antibody

Catalog No. E-AB-71083

Note: Centrifuge before opening to ensure complete recovery of vial contents.

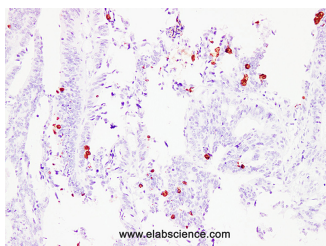
Description

Reactivity	Human
Immunogen	Full length protein from eukaryotic expression system.
Host	Mouse
Isotype	IgG
Clone	LE0173
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

Applications Recommended Dilution

IHC 1:100-1:200

Data



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon cancer tissue using MUC2 Monoclonal Antibody with Cat#E-AB-71083 at dilution of 1:200.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Mucin 2 glycoprotein (MUC2) is a 520 kDa glycoprotein belonging to the superfamily of mucins. Mucins are high molecular weight glycoproteins produced by epithelial cells and can be divided into two families; secretory mucins and membrane bound mucins. MUC2 is a mucus-forming secreted mucin found in the cytoplasm of goblet cells in small intestine, colon, bronchus and salivary glands. MUC2 expression has been noted in primary gastrointestinal tract tumors of colonic, gastric and esophageal origin. MUC2 expression has also been found in goblet cells in colorectal carcinoma metastatic to the ovary, but not in primary mucinous ovarian adenocarcinoma. This antibody is a useful aid for classification of mucinous adenocarcinoma of gastrointestinal origin and intestinal metaplasia in Barrett's esophagus. Anti-MUC2 may also be a useful aid for classification of colon adenocarcinoma metastatic to the ovary.

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