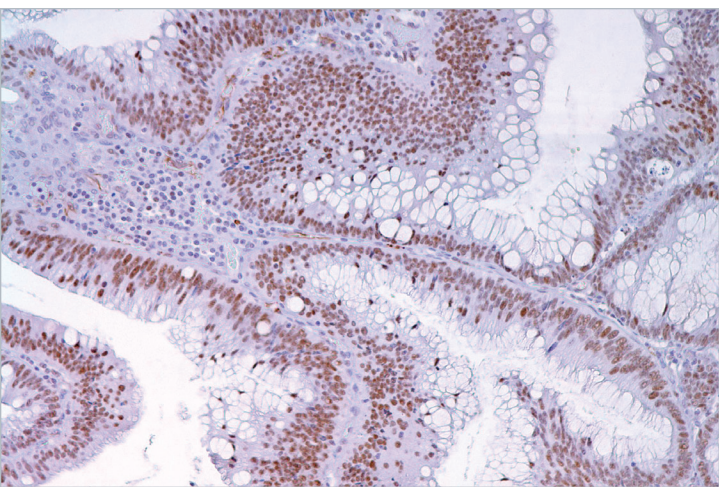
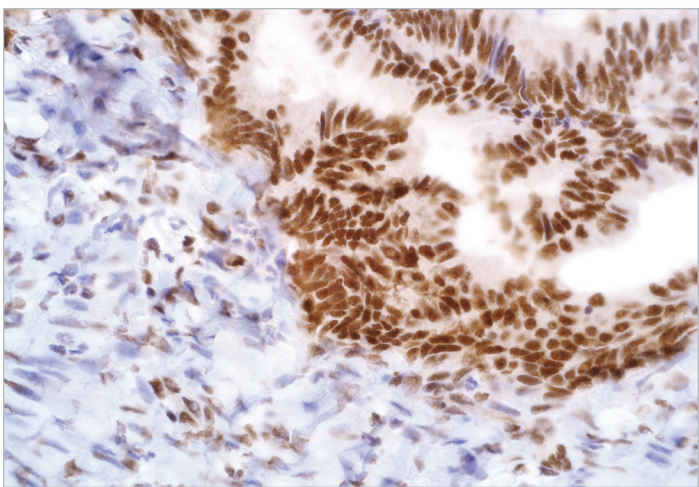


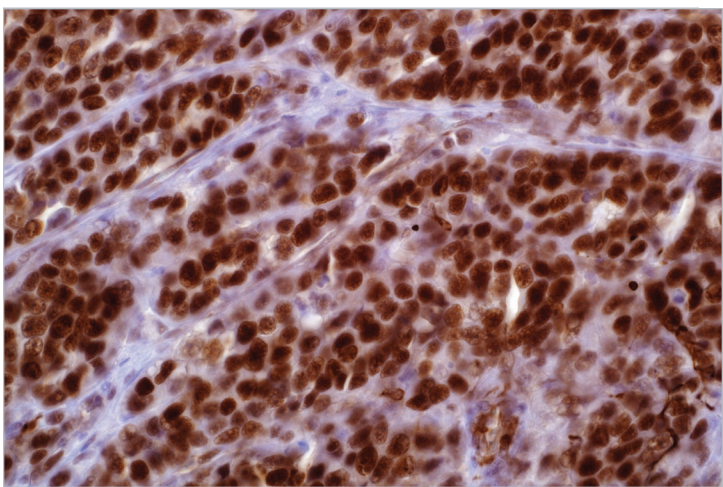
MLH1



Nuclear staining by anti-MLH1 on colon tubular adenoma.



MLH1 (G168-728) on tissue microarray, colorectal carcinoma.



MLH1 (G168-728) on colorectal carcinoma.

Product Specifications

Reactivity paraffin
Visualization nuclear
Control colon, colon carcinoma
Stability up to 36 mo. at 2-8°C
Isotype IgG_{2a}

Associated Specialties

● Gastrointestinal (GI) Pathology

Reference

1. Wright CL, et al. Am J Surg Pathol. 2003; 27:1393-1406.
2. Brueckl WM, et al. Anticancer Research. 2003; 23:1773-1778.
3. Rigau V, et al. Arch Pathol Lab Med. 2003; 127:694-700.
4. Renkonen E, et al. J Clin Oncol. 2003; 21:3629-3637.
5. Hoedema R, et al. The American Surgeon. 2003; 69:387-92.
6. Christensen M, et al. Cancer. 2002; 95:2422-30.
7. Wahlberg SS, et al. Cancer Research. 2002; 62:3485-3492.
8. Lanza G, et al. Modern Pathology. 2002; 15: 741-749.

Product Description

MLH1 is a mismatch repair protein that is deficient in a high proportion of patients with microsatellite instability (MSI-H). It has been suggested that the deficiencies in DNA mismatch repair protein(s) can be seen in some malignancies such as hereditary nonpolyposis colorectal cancer (HNPCC) and endometrial cancer. Anti-MLH1 may be useful in identification of MLH1 protein in variety of normal and neoplastic tissues and identification of loss of MLH1 in tumors with MSI genotype.¹⁻⁸ Anti-MLH1 is best utilized in an IHC panel that includes anti-MSH6, anti-MSH2, and anti-PMS2.

Ordering Information

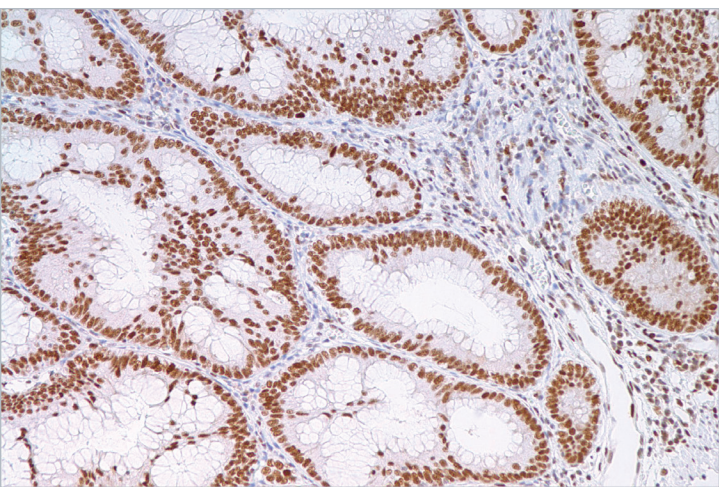
Clone: G168-728
Mouse Monoclonal

Volume	Part No.
0.1 ml, concentrate.....	285M-14
0.5 ml, concentrate.....	285M-15
1 ml, concentrate	285M-16
1 ml, predilute	285M-17
7 ml, predilute	285M-18
25 ml, predilute	285M-10

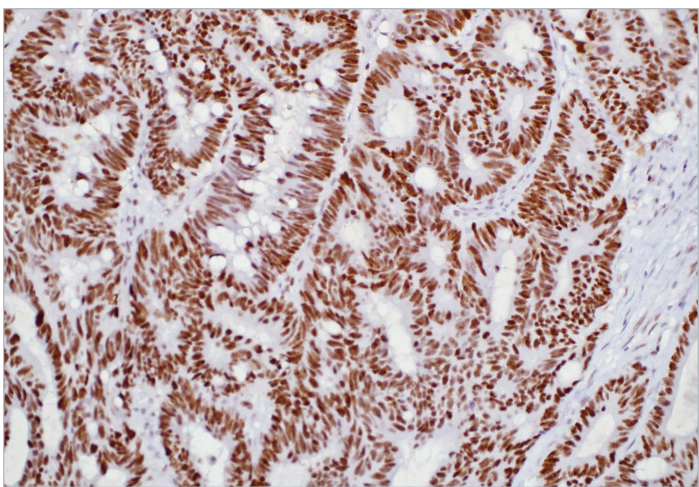
Designations

			
NA	IVD	IVD	RUO

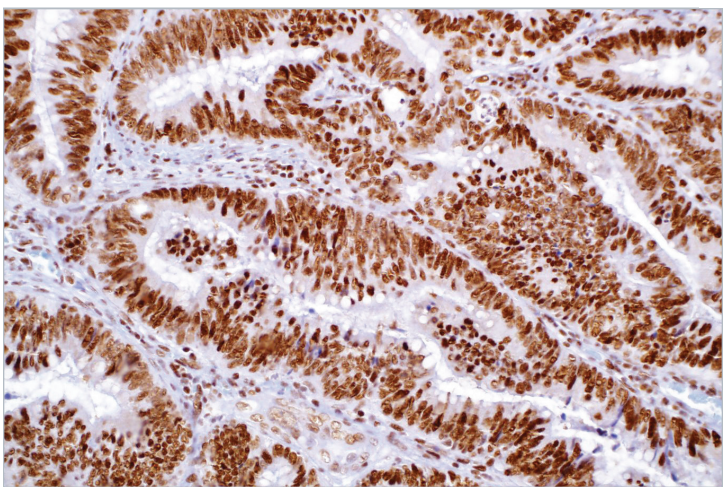
MSH2



Anti-MSH2 positively labels well differentiated colon adenocarcinoma in a nuclear pattern.



MSH2 (G219-1129) on colorectal carcinoma.



MSH2 (G219-1129) on colorectal carcinoma.

Product Specifications

Reactivity paraffin
Visualization nuclear
Control colon mucosa, colon carcinoma
Stability up to 36 mo. at 2-8°C
Isotype IgG₁

Associated Specialties

● Gastrointestinal (GI) Pathology

Reference

1. Wright CL, et al. Am J Surg Pathol. 2003; 27:1393-1406.
2. Brueckl WM, et al. Anticancer Research. 2003; 23:1773-1778.
3. Rigau V, et al. Arch Pathol Lab Med. 2003; 127:694-700.
4. Renkonen E, et al. J Clin Oncol. 2003; 21:3629-3637.
5. Hoedema R, et al. The American Surgeon. 2003; 69:387-92.
6. Christensen M, et al. Cancer. 2002; 95:2422-30.
7. Wahlberg SS, et al. Cancer Research. 2002; 62:3485-3492.
8. Lanza G, et al. Modern Pathology. 2002; 15:741-749.

Product Description

MSH2 is a mismatch repair protein which is deficient in a high proportion of patients with microsatellite instability (MSI-H). It has been suggested that the deficiencies in DNA mismatch repair protein(s) can be seen in some malignancies such as hereditary nonpolyposis colorectal cancer (HNPCC) and endometrial cancer. Anti-MSH2 may be useful in identification of MSH2 protein in variety of normal and neoplastic tissues and identification of loss of MSH2 in tumors with MSI genotype.¹⁻⁸ Anti-MSH2 is best utilized in an IHC panel that includes anti-MLH1, anti-MSH6, and anti-PMS2.

Ordering Information

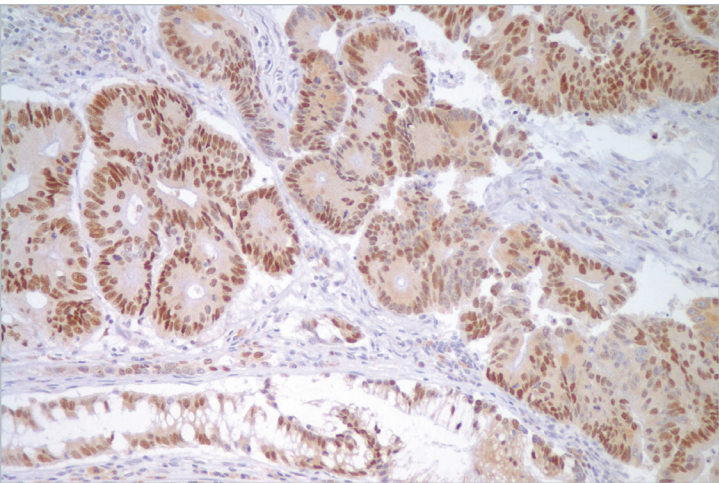
Clone: G219-1129 Mouse Monoclonal

Volume	Part No.
0.1 ml, concentrate.....	286M-14
0.5 ml, concentrate.....	286M-15
1 ml, concentrate	286M-16
1 ml, predilute	286M-17
7 ml, predilute	286M-18
25 ml, predilute	286M-10

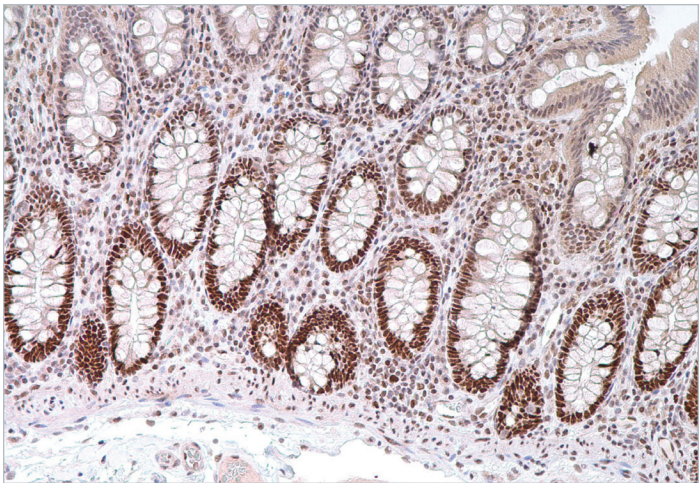
Designations

			
NA	IVD	IVD	RUO

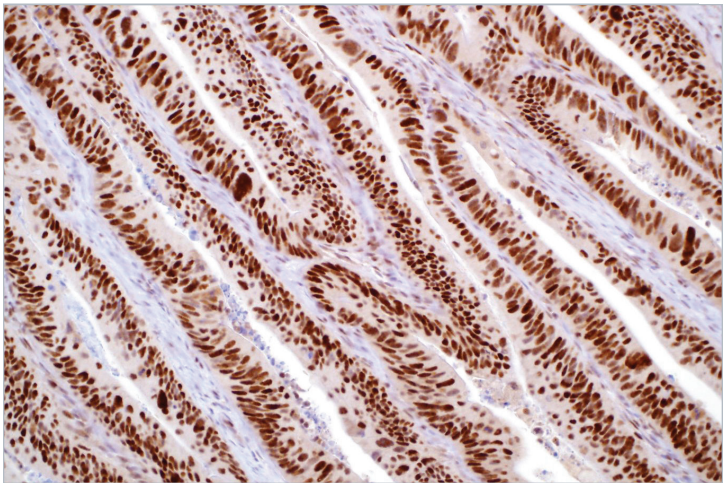
MSH6



Nuclear staining by MSH6 (44) on well differentiated colon adenocarcinoma.



MSH6 (44) on colon.



MSH6 (44) on colorectal carcinoma.

Product Specifications

Reactivity paraffin
Visualization nuclear
Control colon, colon carcinoma
Stability up to 36 mo. at 2-8°C
Isotype IgG₁

Associated Specialties

● Gastrointestinal (GI) Pathology

Reference

1. Lagerstedt Robinson K, et al. J Natl Cancer Inst. 2007; 99:291-9.
2. Niessen RC, et al. Gut. 2006; 55:1781-8.
3. Hansen TP, et al. Appl Immunohistochem Mol Morphol. 2006; 14:115-21.
4. Lawes DA, et al. Br J Cancer. 2005; 93:472-7.
5. Stormorken AT, et al. J Clin Oncol. 2005; 23:4705-12.
6. Rigau V, et al. Arch Pathol Lab Med. 2003; 127:694-700.

Product Description

MSH6 is a mismatch repair gene which is deficient in a high proportion of patients with microsatellite instability (MSI-H). This finding is associated with the autosomal dominant condition known as hereditary non-polyposis colorectal cancer (HNPCC). The anti-MSH6 antibody is useful in screening patients and families for this condition. Colon cancers that are microsatellite unstable have a better prognosis than their microsatellite stable counterparts.

Ordering Information

Clone: 44
Mouse Monoclonal

Volume	Part No.
0.1 ml, concentrate.....	287M-14
0.5 ml, concentrate.....	287M-15
1 ml, concentrate	287M-16
1 ml, predilute	287M-17
7 ml, predilute	287M-18
25 ml, predilute	287M-10

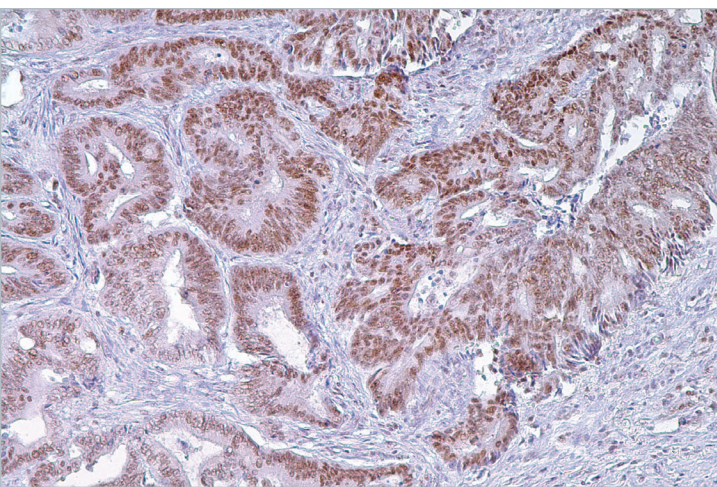
Alternate Clones Available

• Rabbit Monoclonal, SP93
Contact us for more information.

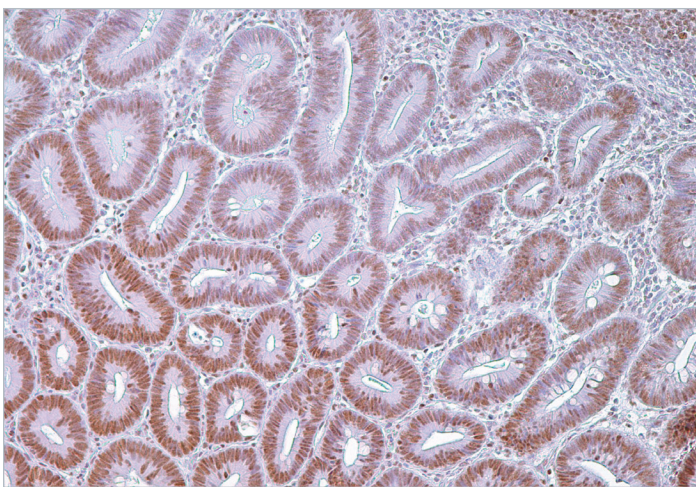
Designations

			
NA	IVD	IVD	RUO

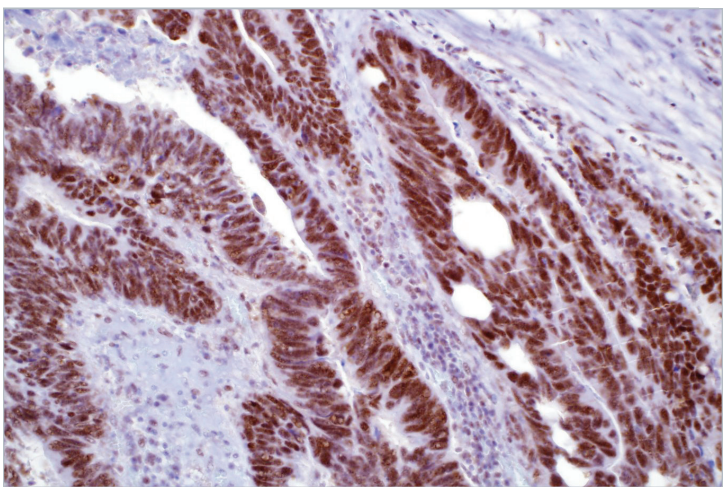
PMS2



Nuclear labelling of carcinoma cells by PMS2 (EPR3947) on colon adenocarcinoma.



PMS2 (EPR3947) on colon adenoma.



PMS2 (EPR3947) on adenocarcinoma of colon.

Product Specifications

Reactivity paraffin
Visualization nuclear
Control colon
Stability up to 36 mo. at 2-8°C
Isotype IgG

Associated Specialties

● Gastrointestinal (GI) Pathology

Reference

1. Gologan A, et al. Clin Lab Med. 2005; 25:179-96.
2. Lagerstedt Robinson K, et al. J Natl Cancer Inst. 2007; 99:291-9.
3. Hendriks YM, et al. Gastroenterology. 2006; 130:312-22.
4. Truninger K, et al. Gastroenterology. 2005; 128:1160-71.
5. Hampel H, et al. N Engl J Med. 2005; 352:1851-60.
6. Warusavitarne J, et al. Int J Colorectal Dis 2007; 22:739-748.
7. Gill S, et al. Clin Cancer Res. 2005; 11:6466.

Product Description

PMS2 is a mismatch repair protein that is deficient in a high proportion of patients with microsatellite instability (MSI-H). It has been suggested that the deficiencies in DNA mismatch repair protein(s) can be seen in some malignancies such as hereditary nonpolyposis colorectal cancer (HNPCC) and endometrial cancer. Anti-PMS2 may be useful in identification of PMS2 protein in variety of normal and neoplastic tissues and identification of loss of MLH1 in tumors with MSI genotype.¹⁻⁷ Anti-PMS2 is best utilized in an IHC panel that includes anti-MSH6, anti-MSH2, and anti-MLH1.

Ordering Information

Clone: EPR3947
Rabbit Monoclonal

Volume	Part No.
1 ml, predilute	288R-17
7 ml, predilute	288R-18
25 ml, predilute	288R-10

Alternate Clones Available
• Mouse Monoclonal, MRQ-28
Contact us for more information.

Designations

			
NA	IVD	IVD	RUO

