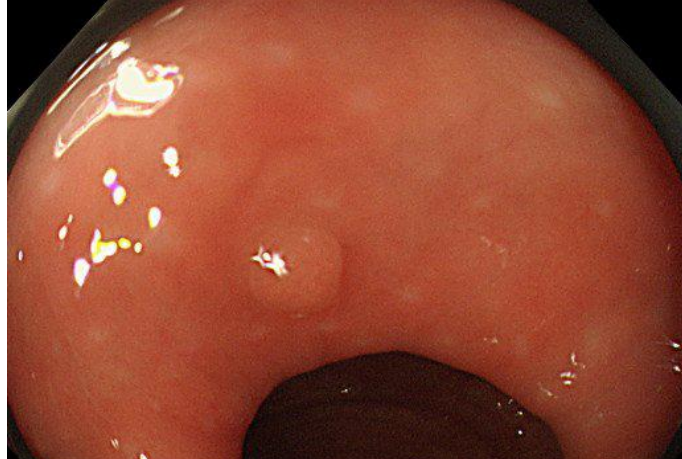
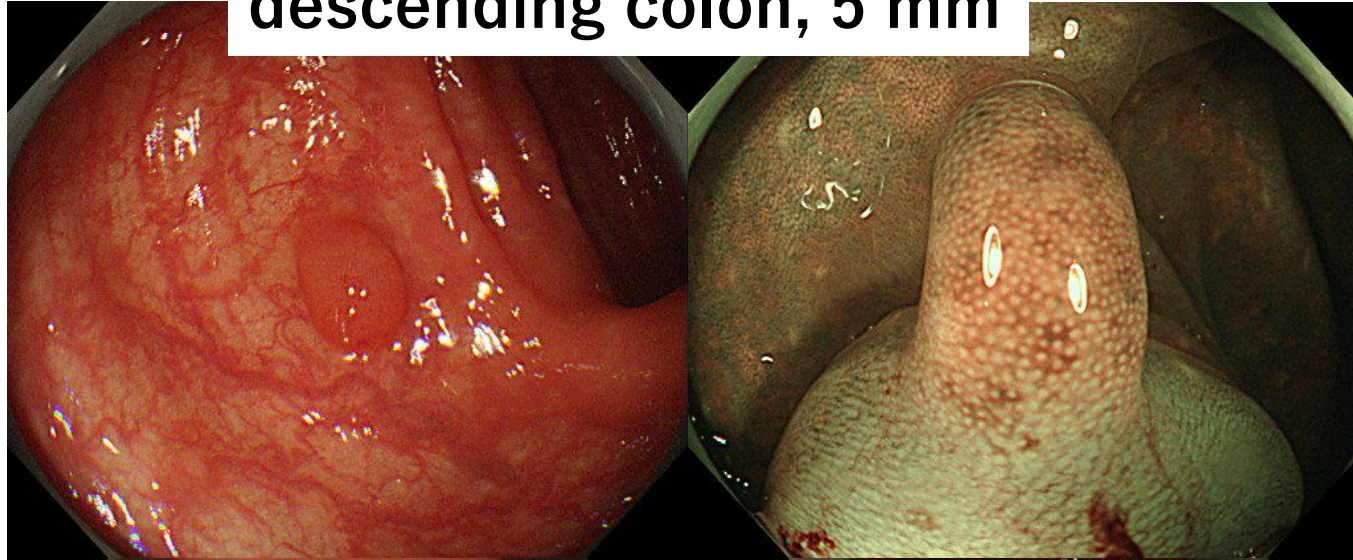


Benign unclassified mucosal polyps (BUMPs) of the colorectum

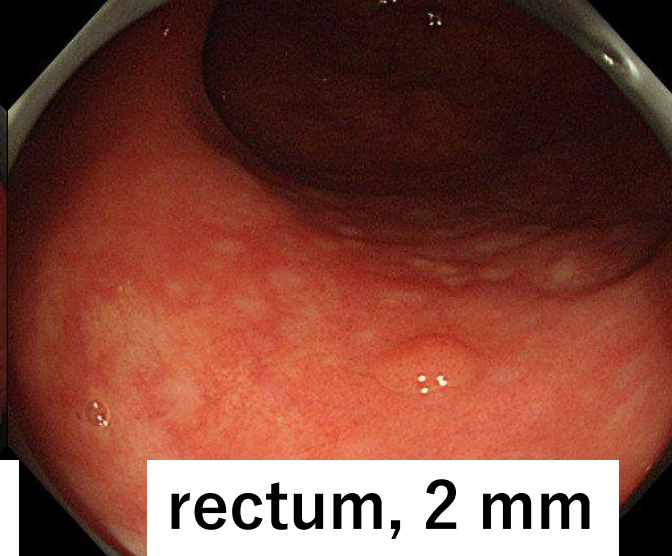
Colorectal polyps may show growth of benign spindle cells in the lamina propria mucosae and the submucosa. These include perineurioma (benign fibroblastic polyp), Schwann cell hamartoma, neurofibroma, ganglioneuroma, smooth muscle hamartoma, inflammatory fibrous polyp, granular cell tumor and benign unclassified mucosal polyps (BUMPs). Multiple BUMPs of the left-sided colorectum in a 61-year-old lady are shown. Microscopically, the polypectomized lesions reveal lamina proprial proliferation of uniform and bland spindle cells with plump eosinophilic cytoplasm, indistinct cell borders and bland nuclei without mitotic activity. Immunohistochemically, the tumor cells are positive for vimentin, but negative for EMA, S-100 protein, SMA, desmin, Glut-1, claudin-1, and type IV collagen. BUMPs may represent common mesenchymal polyps of the colorectum, categorized in a “wastebasket” category.

Ref.: Rittershaus AC, Appelman HD. Benign gastrointestinal mesenchymal BUMPS: a brief review of some spindle cell polyps with published names. Arch Pathol Lab Med 2011; 135(10): 1311-1319. doi: 10.5858/arpa.2011-0038-RA

descending colon, 5 mm

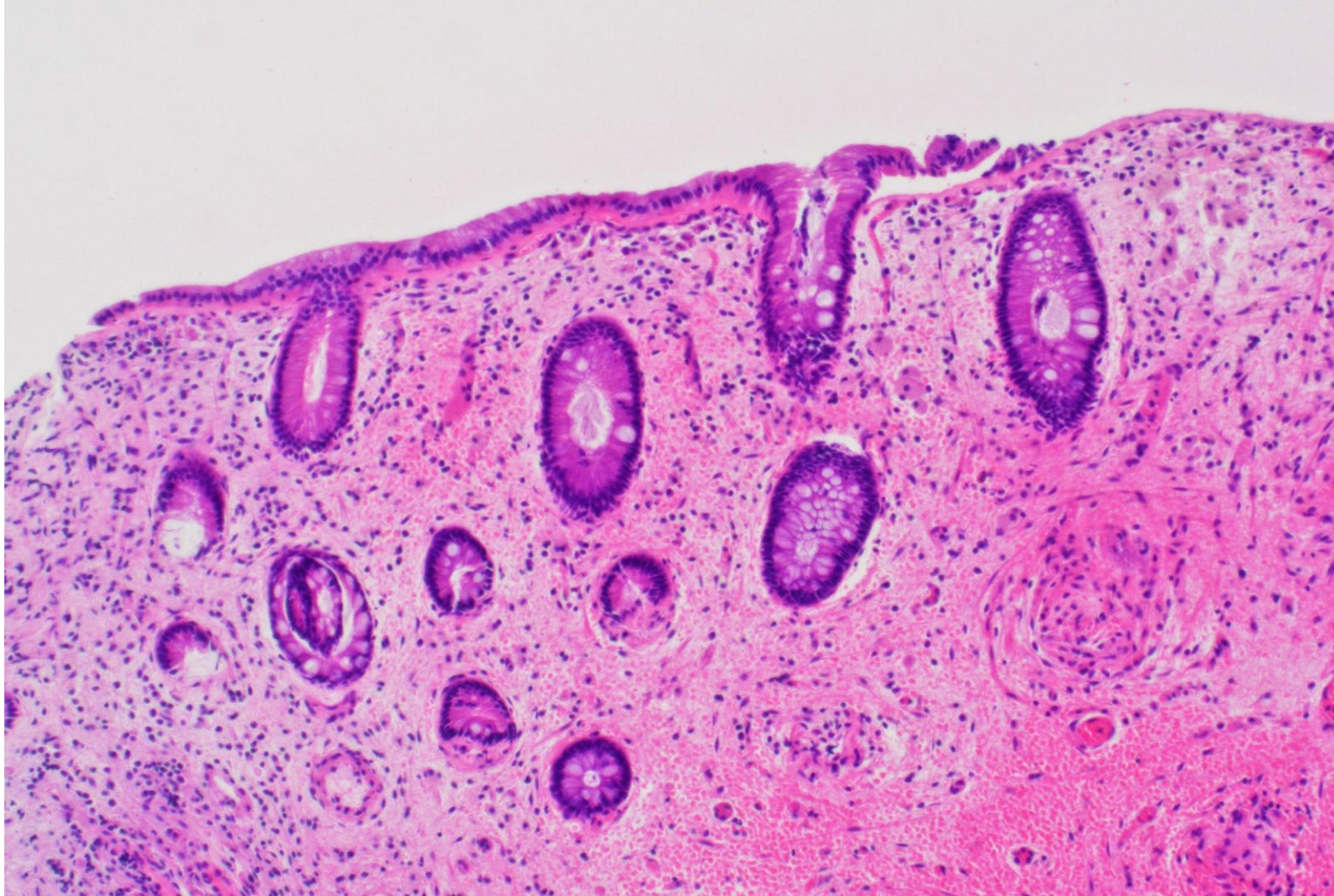


Sigmoid colon, 2 mm

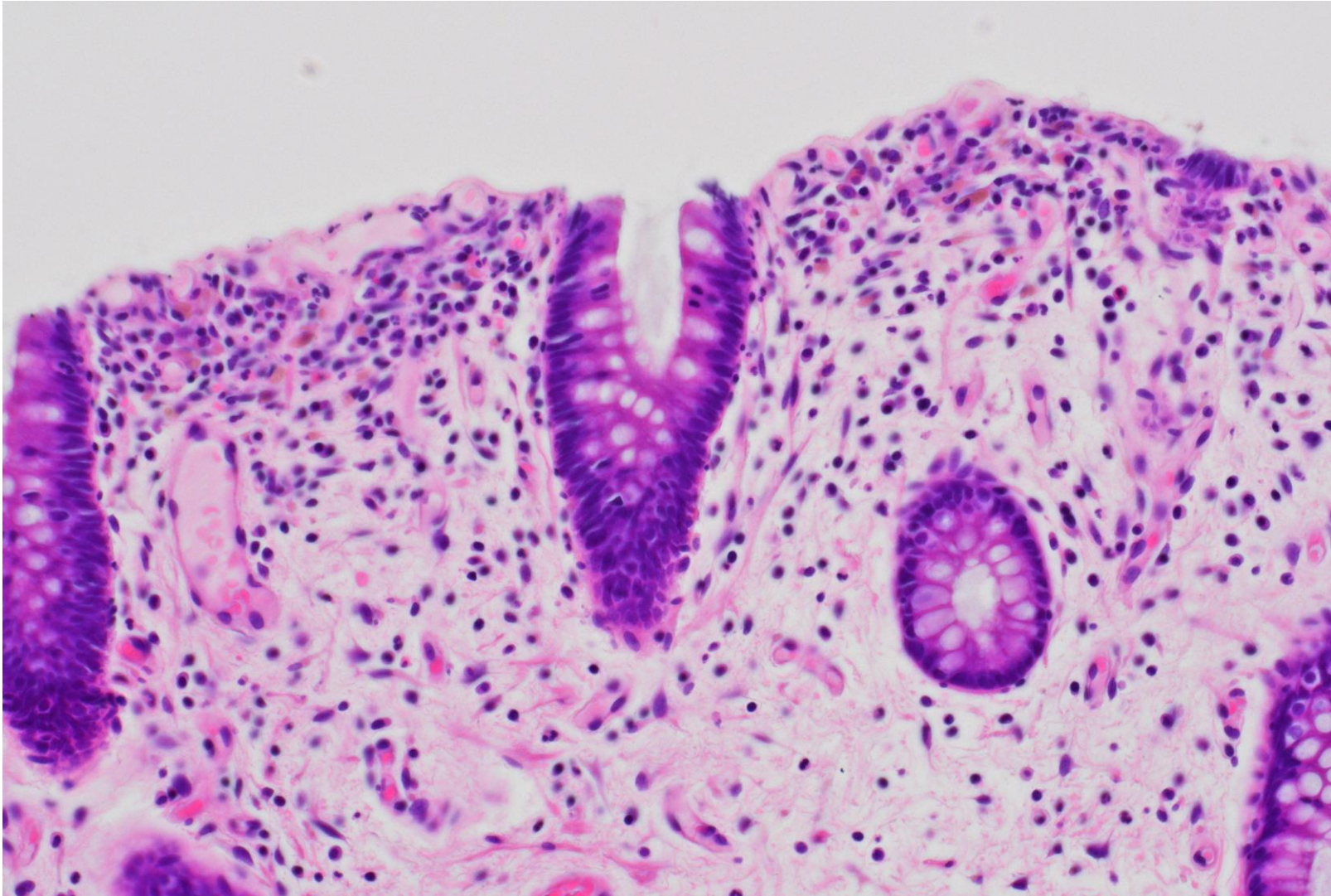


rectum, 2 mm

Endoscopic findings of multifocal BUMPS in a 61-year-old lady. Multiple polypoid lesions are distributed in the left-sided colon and rectum.



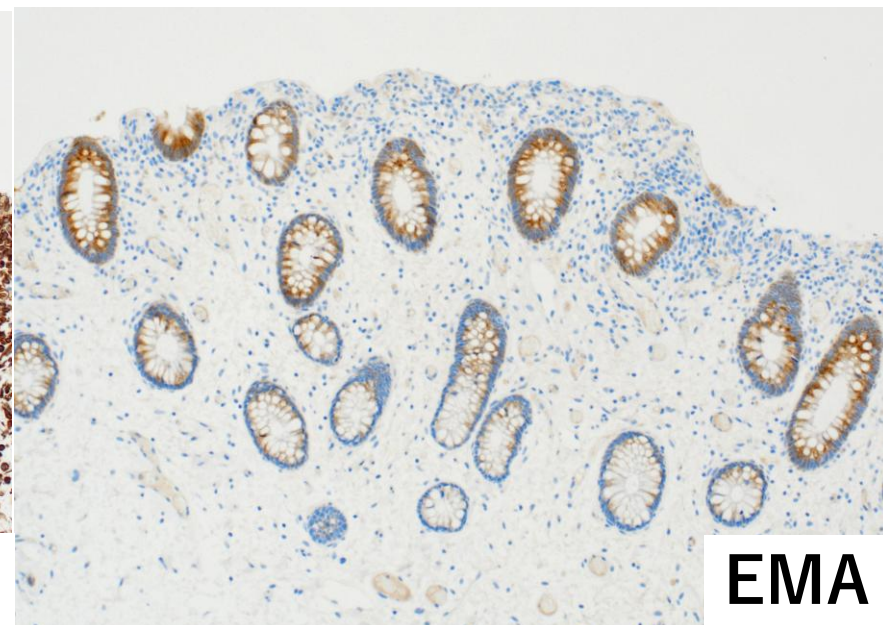
Multiple BUMPS of the colorectum in a 61-year-old lady. The lesion shows localized proliferation of uniform spindle cells with plump eosinophilic cytoplasm, indistinct cell borders and bland nuclei without mitotic activity. H&E-1



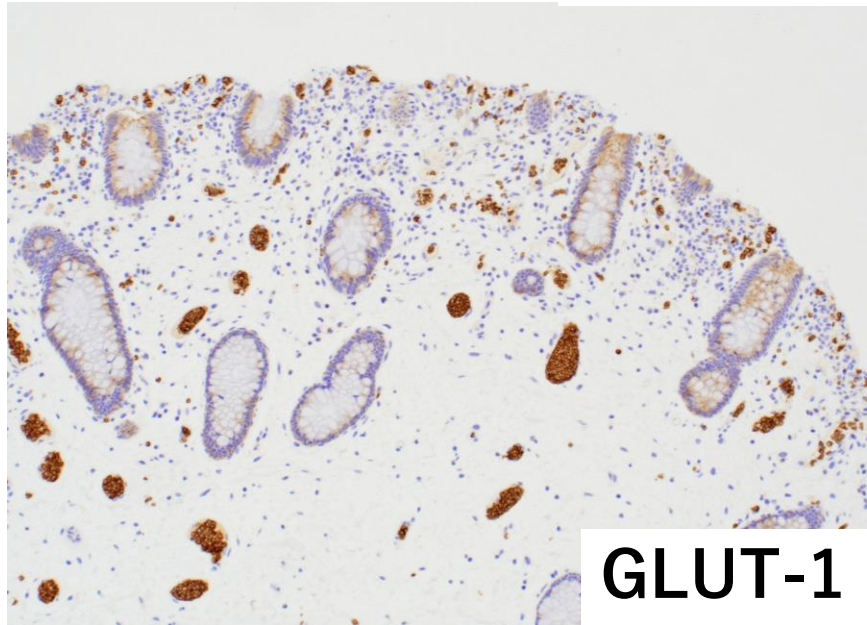
Multiple BUMPS of the colorectum in a 61-year-old lady. The lesion shows localized proliferation of uniform spindle cells with plump eosinophilic cytoplasm, indistinct cell borders and bland nuclei without mitotic activity. H&E-2



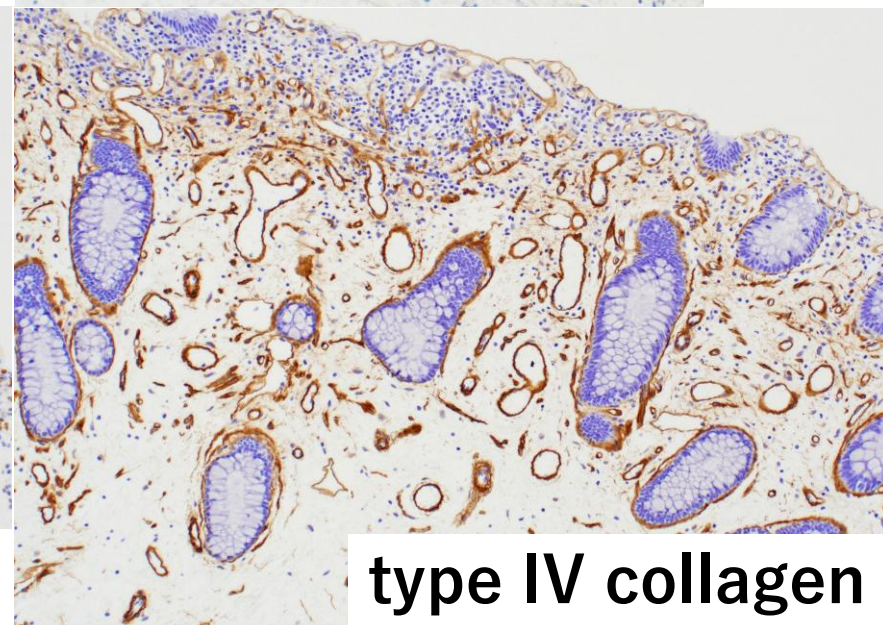
vimentin



EMA

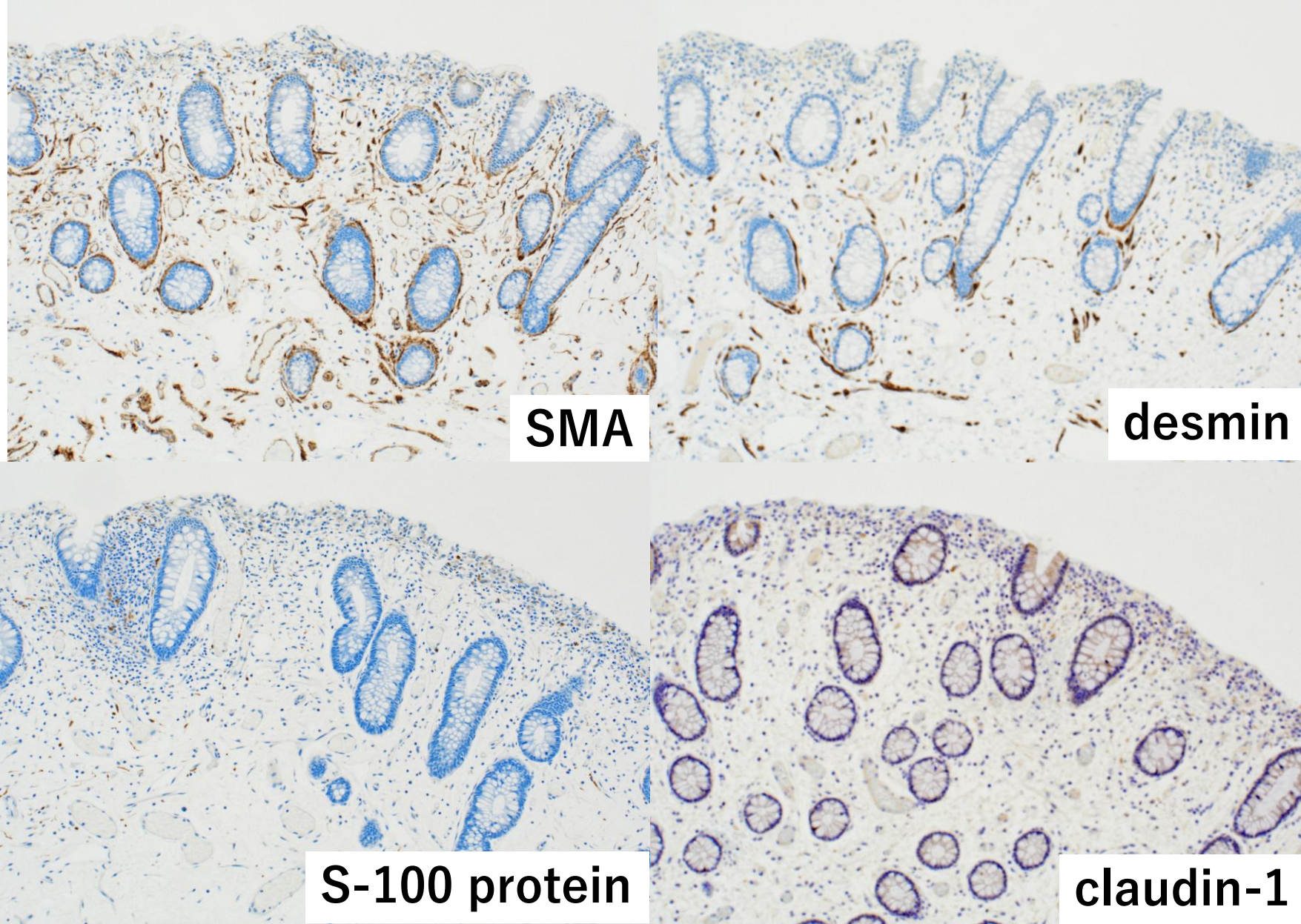


GLUT-1

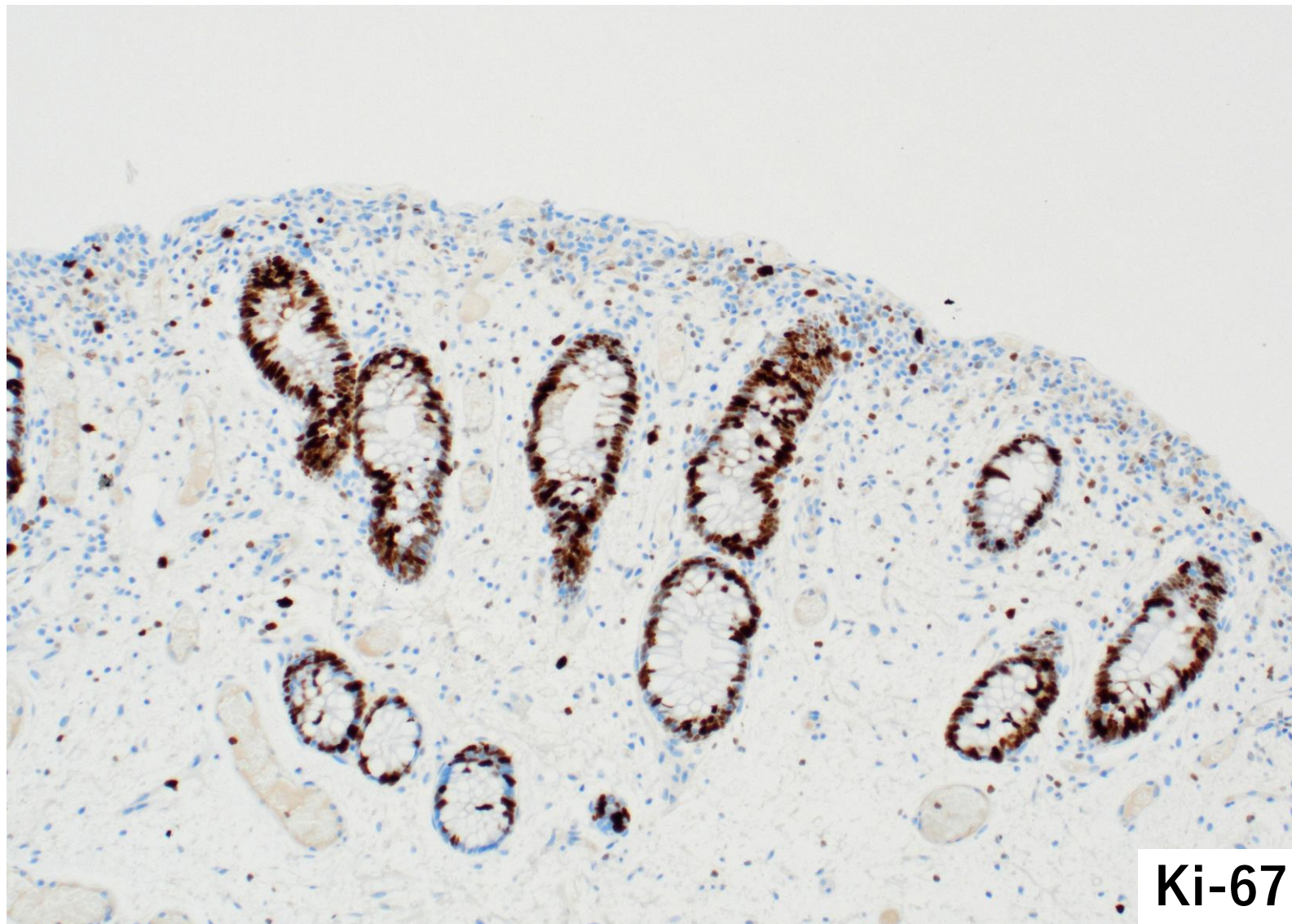


type IV collagen

Multiple BUMPS of the colorectum in a 61-year-old lady. The uniform spindle cells in the lamina propria mucosae are positive for vimentin, but negative for EMA, GLUT-1 and type IV collagen. Immunostaining panel



Multiple BUMPS of the colorectum in a 61-year-old lady. The uniform spindle cells in the lamina propria mucosae are negative for SMA, desmin, S-100 protein and claudin-1. Immunostaining panel



Multiple BUMPS of the colorectum in a 61-year-old lady. The uniform spindle cells in the lamina propria mucosae are scarcely labeled for Ki-67. Immunostaining for Ki-67