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<b>Catalog Number:</b>	MO47002	<b>Host:</b>	Mouse
<b>Product Type:</b>	Mouse Monoclonal IgG	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Recombinant human p16 <sup>INK4A</sup> C-terminus protein	<b>Format:</b>	Liquid with Tris buffer, pH 7.3-7.7, 1% BSA with <0.1% Sodium Azide
<b>Applications:</b>	Immunohistochemistry: 1:1,000-2,000  Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	The product can be stored undiluted for several weeks at 4°C. Dilute only immediately before use. Aliquot and store at -20°C long term. Avoid freeze thaw-cycles.		

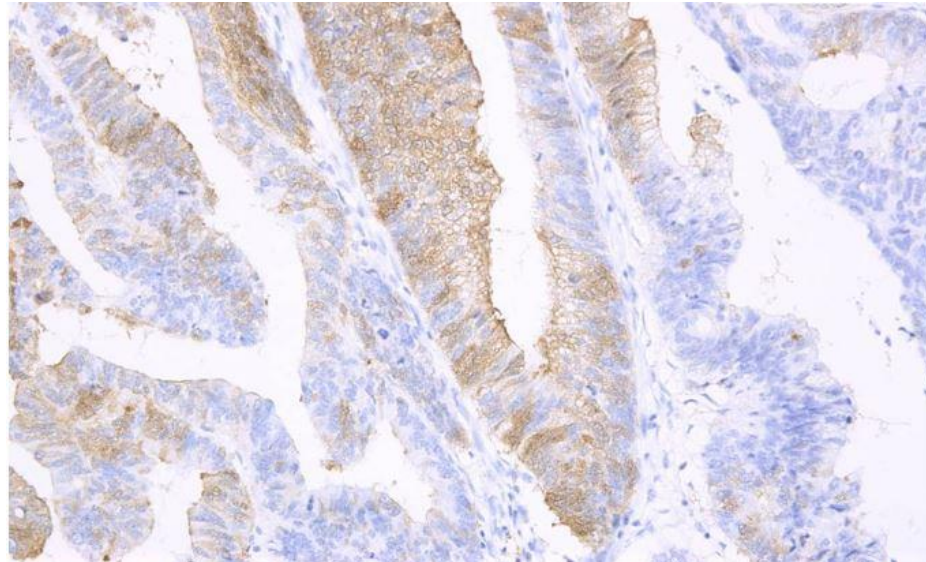
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### Application Notes

**Description/Data:**

The p16 (p16<sup>INK4A</sup>) protein is a cyclin-dependent kinase inhibitor that plays an important regulatory role in the cell cycle. By controlling the transition between the G1 and S phases through regulation of retinoblastoma protein, p16 decelerates cellular differentiation and therefore acts as a tumor suppressor, making it the key marker in several human cancers including head and neck cancer, perianal lesions, melanomas, gliomas, lymphomas, and some types of leukemia. p16 is also clinically indicated in carcinomas of the esophagus, pancreas, lung, biliary tract, liver, colon, and urinary bladder.

*Image:  
Immunohistochemistry staining of human colon tissue using MO47002 P16<sup>INK4A</sup> Antibody.*



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