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# 44-1046: Anti-MSH2 Monoclonal Antibody (Clone:IHC410)-Ready to Use(Discontinued)

| | |
|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | IHC410 |
| **Application :** | IHC |
| **Reactivity :** | Human |
| **Gene :** | MSH2 |
| **Gene ID :** | 4436 |
| **Uniprot ID :** | P43246 |
| **Isotype :** | Mouse IgG2b |
| **Immunogen Information :** | Recombinant Human MSH2 |

## Description

"MutS Homolog 2 (MSH2) is a protein involved in the mismatch-repair pathway. This protein is commonly associated with hereditary non-polyposis colorectal cancer, and mutations in this gene are correlated with the development of sporadic colorectal carcinoma. Expression levels of MSH2 are abnormally low in a high percentage of patients with microsatellite instability, as well as endometrial and ovarian cancers. Use of Anti-MSH2 is optimized when paired in an IHC panel with antibodies against MSH6, MLH1, and PMS2. Reports have shown Anti-MSH2 to be useful in the detection of the protein in a number of normal and neoplastic tissues, and for identifying a loss of MSH2 in tumors that are microsatellite-unstable."

## Product Info

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| **Amount :** | 7 ml |
| **Purification :** | Protein A/G Chromatography |
| **Content :** | Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide |
| **Storage condition :** | Store at 2°C - 8°C. Do not freeze. |

## Application Note

This product is available in ready to use format, hence no dilution is required.

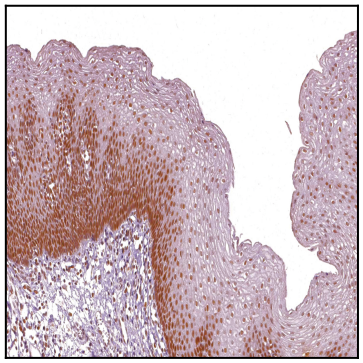


Figure 1: Immunohistochemical analysis of MSH2 (Clone: IHC410) on Esophagus

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***