

## Product datasheet

### anti-MSH2 mouse monoclonal, IHC410, purified

#### Short overview

<b>Cat. No.</b>	691741
<b>Quantity</b>	1 ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Clone</b>	IHC410
<b>Immunogen</b>	Recombinant Human MSH2
<b>Formulation</b>	Tris pH 7.3-7.7 with 1% BSA and 0.09% sodium azide
<b>UniprotID</b>	P43246 (Human)
<b>Synonym</b>	DNA mismatch repair protein Msh2, hMSH2, MutS protein homolog 2, MSH2
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	IHC
<b>Reactivity</b>	Human

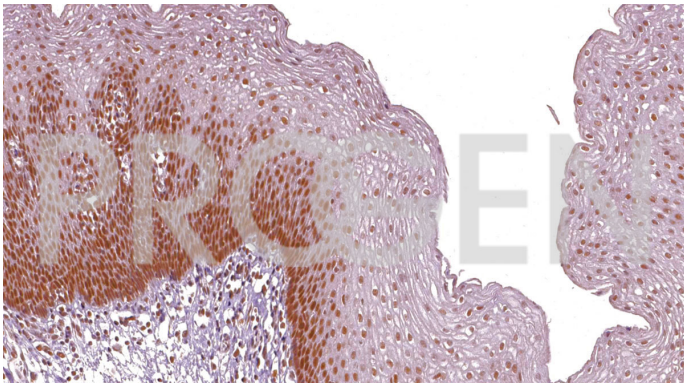
#### Applications

<b>Immunohistochemistry (IHC) - paraffin</b>	1:50-1:200 (microwave treatment recommended)
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#### Background

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 tumours that are microsatellite-unstable.

#### Product images



Esophagus