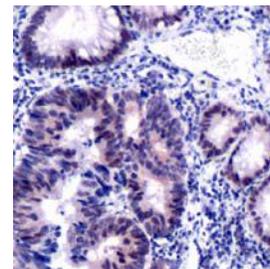


## Rabbit Anti-Human MSH2 Monoclonal Antibody (Clone SP46)

<b>CATALOG #:</b>	<b>M3460</b> 0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
	<b>M3464</b> 1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
	<b>M3461</b> 7 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.



*Human colon carcinoma stained with anti-MSH2 antibody*

<b>INTENDED USE:</b>	For Research Use Only. Not for use in diagnostic procedures.
<b>CLONE:</b>	SP 46
<b>IMMUNOGEN:</b>	Synthetic peptide corresponding to internal region of human MSH2.
<b>IG ISOTYPE:</b>	Rabbit IgG
<b>EPITOPE:</b>	Not determined
<b>MOLECULAR WEIGHT</b>	100kDa (predicted)
<b>SPECIES REACTIVITY:</b>	Human (tested). Others not tested
<b>DESCRIPTION:</b>	MSH2 is involved in DNA repair as a mismatch repair protein, and mutations of MSH2 are found in approximately 50% of inherited non polyposis colorectal carcinoma (HNPCC) (Lynch syndrome) cases. HNPCC is an autosomal, dominantly inherited disease associated with marked increase in cancer susceptibility. It is characterized by a familial predisposition to early onset colorectal carcinoma and extra-colonic cancers of the gastrointestinal, urological and female reproductive tracts. HNPCC is reported to be the most common form of inherited colorectal cancer in the western world.
<b>APPLICATIONS:</b>	Immunohistochemistry (IHC)
<b>IHC PROCEDURE:</b>	<p><b>Specimen Preparation:</b> Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.</p> <p><b>Deparaffinization:</b> Deparaffinize slides using xylene or xylene alternative and graded alcohols.</p> <p><b>Antibody Dilution:</b> If using the concentrate format of this product, dilute the antibody 1:50. The dilutions are estimates; actual results may differ because of variability in methods and protocols.</p> <p><b>Antigen Retrieval:</b> Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.</p> <p><b>Primary Antibody Incubation:</b> Incubate for 30 minutes at RT.</p> <p><b>Slide Washing:</b> Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.</p> <p><b>Visualization:</b> Detect the antibody as instructed by the instructions provided with the visualization system.</p>
<b>POSITIVE CONTROL:</b>	Colon carcinoma
<b>CELLULAR LOCALIZATION:</b>	Nucleus
<b>STORAGE &amp; STABILITY</b>	Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date. There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.
<b>WARNINGS &amp; PRECAUTIONS:</b>	<ol style="list-style-type: none"> <li>1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.</li> <li>2. This product is harmful if swallowed.</li> <li>3. Consult local or state authorities with regard to recommended method of disposal.</li> <li>4. Avoid microbial contamination of reagents.</li> </ol>



**UK & Rest of World**  
184 Milton Park, Abingdon  
OX14 4SE, Oxon, UK  
Tel: +44 (0) 1235 828 200  
Fax: +44 (0) 1235 820 482

**Switzerland**  
Centro Nord-Sud 2E  
CH-6934 Bioggio-Lugano  
Tel: +41 (0) 91 604 55 22  
Fax: +41 (0) 91 605 17 85

**Deutschland**  
Bockenheimer Landstr. 17/19  
60325 Frankfurt/Main  
Tel: +49 (0) 69 779099  
Fax: +49 (0) 69 13376880

**United States**  
23591 El Toro Rd, Suite #167  
Lake Forest, CA 92630  
Tel: +1 800 987 0985  
Fax: +1 949 265 7703