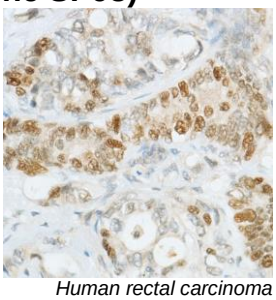
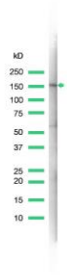
Rabbit Anti-Human MSH6 Monoclonal Antibody (Clone SP93)



Human rectal carcinoma stained with anti-MSH6 antibody



Western Blot analysis of A431 cell lysate with MSH6 antibody

CATALOG #:

M3930 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.

M3932 0.5 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M3934 1.0 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M3931 7.0 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. *(For IHC only)*.

INTENDED USE: For Research Use Only. Not for use in diagnostic procedures.

CLONE: SP93

IMMUNOGEN: Synthetic peptide corresponding to internal region of human MSH6 protein

IG ISOTYPE: Rabbit IgG

EPITOPE: Not determined

MOLECULAR WEIGHT 160 kDa

SPECIES REACTIVITY: Human (tested). (See www.springbio.com for information on species reactivity predicted by sequence homology.)

DESCRIPTION: Defects in MSH6 are a cause of hereditary non-polyposis colorectal cancer (HNPCC) (Lynch syndrome). 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 (crc) 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. MSH6 is central to mismatch DNA repair.

APPLICATIONS: Immunohistochemistry (IHC) and Western Blotting

IHC PROCEDURE:
Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.
Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.
Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:100. The dilutions are estimates; actual results may differ because of variability in methods and protocols.
Antigen Retrieval: Boil tissue section in 1mM EDTA, pH 8.0 for 10 min followed by cooling at room temperature for 20 min.
Primary Antibody Incubation: Incubate for 30 minutes at room temperature.
Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.
Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

IHC POSITIVE CONTROL: Colon Carcinoma, Rectal carcinoma

WESTERN BLOTTING: Recommended starting protocol: Dilute the antibody 1:100. Incubate for 1 hour at room temperature.
The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

WESTERN BLOTTING POSITIVE CONTROL: A431 Cell Lysate

CELLULAR LOCALIZATION: Nucleus

4300 Hacienda Drive
Pleasanton, CA 94588
www.springbio.com

Tel: 1-925-474-8440
Toll Free: 1-800-787-6896
Fax: 1-925-474-8469

STORAGE & STABILITY

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.
If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical Support at spring.tech@ventana.roche.com.

WARNINGS & PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

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