

## Rabbit MSH2 Polyclonal Antibody | anti-MSH2 antibody

Rabbit anti-MSH2 Antibody

| CATALOG # | HOST   | REACTIVITY                     | APPLICATIONS                                           |
|-----------|--------|--------------------------------|--------------------------------------------------------|
| AAA223992 | Rabbit | Human, Mouse, Rat, Dog, Monkey | Immunofluorescence, Immunohistochemistry, Western Blot |

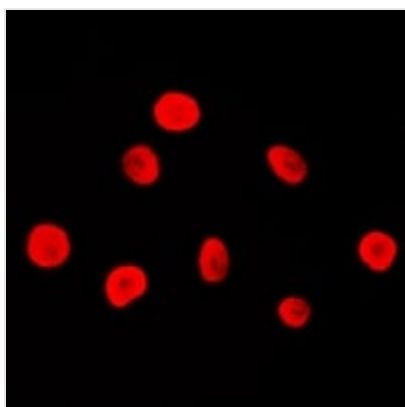
### PRODUCT SYNONYMS

MSH2; Polyclonal Antibody; Rabbit anti-MSH2 Antibody; DNA mismatch repair protein Msh2; hMSH2; MutS protein homolog 2; anti-MSH2 antibody

### PRODUCT SPECIFICATIONS

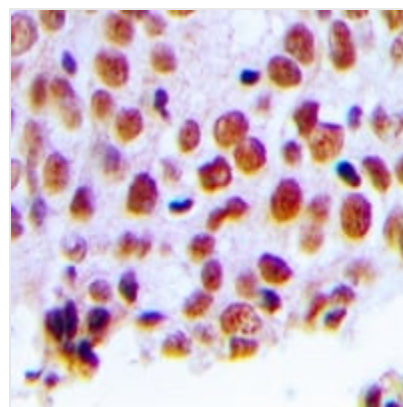
|                                                |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                              |
| Reactivity                                     | Human, Mouse, Rat, Dog, Monkey                                                                                                      |
| Clonality                                      | Polyclonal                                                                                                                          |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                     |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                           |
| Concentration                                  | 1mg/mL (varies by lot)                                                                                                              |
| Applicable Applications for anti-MSH2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                              |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MSH2. The exact sequence is proprietary. |
| Preparation and Storage                        | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                           |

### IMAGES



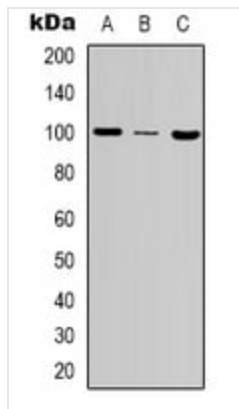
#### IF (Immunofluorescence)

Immunofluorescent analysis of MSH2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of MSH2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of MSH2 expression in HeLa (A), A431 (B), NIH3T3 (C) whole cell lysates.

### ADDITIONAL INFORMATION

Product Categories/Family for anti-MSH2 antibody

Primary antibodies

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1171032                                                                                    |
| NCBI GeneID                      | 4436                                                                                       |
| UniProt Accession #              | P43246; P43247; P54275                                                                     |
| Molecular Weight                 | 934                                                                                        |
| NCBI Official Full Name          | DNA mismatch repair protein Msh2                                                           |
| NCBI Official Synonym Full Names | mutS homolog 2                                                                             |
| NCBI Official Symbol             | MSH2                                                                                       |
| NCBI Official Synonym Symbols    | FCC1; COCA1; HNPCC; LCFS2; HNPCC1                                                          |
| NCBI Protein Information         | DNA mismatch repair protein Msh2; hMSH2; mutS homolog 2, colon cancer, nonpolyposis type 1 |
| UniProt Protein Name             | DNA mismatch repair protein Msh2                                                           |
| UniProt Gene Name                | <b>MSH2</b>                                                                                |
| UniProt Synonym Gene Names       | hMSH2                                                                                      |
| UniProt Entry Name               | MSH2_HUMAN                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/msh2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/223992>