

Datasheet for ABIN1417495

**anti-MSH3 antibody (AA 651-750) (Cy5.5)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | MSH3                                                                                                    |
| Binding Specificity: | AA 651-750                                                                                              |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This MSH3 antibody is conjugated to Cy5.5                                                               |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human MSH3 |
| Isotype:              | IgG                                                      |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Rabbit                           |
| Purification:         | Purified by Protein A.                                   |

## Target Details

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| Target:           | MSH3                                                                                   |
| Alternative Name: | MSH3 ( <a href="#">MSH3 Products</a> )                                                 |
| Background:       | Synonyms: Divergent upstream protein, DNA mismatch repair protein, DNA mismatch repair |

## Target Details

protein Msh 3, DNA mismatch repair protein Msh3, DUC 1, DUC1, DUG, DUP, hMSH3, Mismatch repair protein 1, MRP 1, MRP1, MSH 3, MSH-3, MSH3\_HUMAN, MutS homolog 3.

Background: Component of the post-replicative DNA mismatch repair system (MMR). Heterodimerizes with MSH2 to form MutS beta which binds to DNA mismatches thereby initiating DNA repair. When bound, the MutS beta heterodimer bends the DNA helix and shields approximately 20 base pairs. MutS beta recognizes large insertion-deletion loops (IDL) up to 13 nucleotides long. After mismatch binding, forms a ternary complex with the MutL alpha heterodimer, which is thought to be responsible for directing the downstream MMR events, including strand discrimination, excision, and resynthesis.

|           |                                                                                                         |
|-----------|---------------------------------------------------------------------------------------------------------|
| Gene ID:  | 4437                                                                                                    |
| Pathways: | <a href="#">DNA Damage Repair</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |