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Datasheet for ABIN5007053

## anti-MSH3 antibody (AA 651-750) (Alexa Fluor 680)

### Overview

Quantity:	100 µL
Target:	MSH3
Binding Specificity:	AA 651-750
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSH3 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

### 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

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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.

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Gene ID: 4437

Pathways: [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months