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Datasheet for ABIN1387851  
**anti-MSH3 antibody (AA 521-620)**

1 Image

### Overview

Quantity:	100 µL
Target:	MSH3
Binding Specificity:	AA 521-620
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSH3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

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

### Target Details

Target:	MSH3
Alternative Name:	MSH3 ( <a href="#">MSH3 Products</a> )

## Target Details

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Background: Synonyms: DUP, MRP1, DNA mismatch repair protein Msh3, hMSH3, Divergent upstream protein, Mismatch repair protein 1, MSH3, DUC1, DUG

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

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UniProt: [P20585](#)

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

## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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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: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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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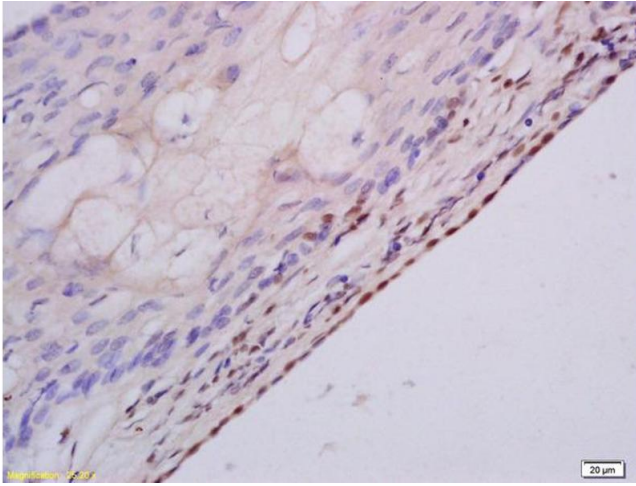
Storage: 4 °C,-20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months



### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat ovary labeled with Anti MSH3 Polyclonal Antibody, Unconjugated (ABIN1387851) at 1:200 followed by conjugation to the secondary antibody and DAB staining