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**Product Name: MSH6 Rabbit Monoclonal Antibody****Catalog #: AMRe03299**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.65mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 153 kDa; Observed MW: 163 kDa

**Antigen Information**

<b>Gene Name</b>	MSH6
<b>Alternative Names</b>	MSH6; GTBP; DNA mismatch repair protein Msh6; hMSH6; G/T mismatch-binding protein; GTBP; GTMBP; MutS-alpha 160 kDa subunit; p160
<b>Gene ID</b>	2956
<b>SwissProt ID</b>	P52701
<b>Immunogen</b>	A synthetic peptide of human MSH6

**Background**

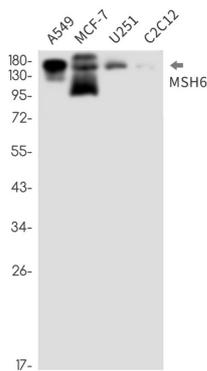
The DNA mismatch repair system (MMR) repairs post-replication DNA, inhibits recombination between nonidentical DNA

sequences, and induces both checkpoint and apoptotic responses following certain types of DNA damage. MSH2 (MutS homologue 2) forms the hMutS- $\alpha$  dimer with MSH6 and is an essential component of the mismatch repair process.

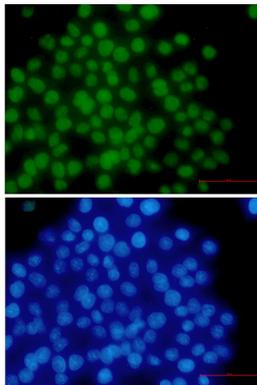
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of MSH6 in A549, MCF-7, U251, C2C12 lysates using MSH6 antibody.



Immunocytochemistry analysis of MSH6 (green) in hela using MSH6 antibody, and DAPI (blue)