

For Research Use Only

# MSH3 Recombinant antibody

Catalog Number: 82845-3-RR



## Basic Information

<b>Catalog Number:</b> 82845-3-RR	<b>GenBank Accession Number:</b> BC130434	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4437	<b>CloneNo.:</b> 1J23
<b>Source:</b> Rabbit	<b>Full Name:</b> mutS homolog 3 (E. coli)	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:750-1:3000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1137 aa, 127 kDa	
<b>Immunogen Catalog Number:</b> AG18060	<b>Observed MW:</b> 127 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> HSC-T6 cells, <b>IF :</b> U-251 cells,

## Background Information

MSH3 is a DNA mismatch repair (MMR) gene that heterodimerizes with MSH2 to form MutS beta which binds to DNA mismatches thereby initiating DNA repair. It undergoes frequent somatic mutation in colorectal cancers (CRCs) with MMR deficiency. MSH3 mismatch repair protein regulates sensitivity to cytotoxic drugs and a histone deacetylase inhibitor in human colon carcinoma cells (PMID: 23724141, PMID:32671096).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

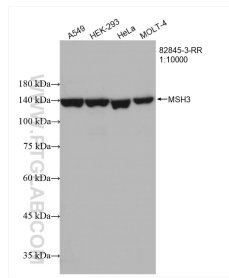
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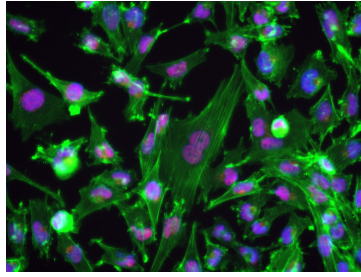
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82845-3-RR (MSH3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using MSH3 antibody (82845-3-RR, Clone: 1J23 ) at dilution of 1:1500 and CoraLite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).