

For Research Use Only

# CoraLite® Plus 488-conjugated MSH2 Polyclonal antibody

Catalog Number: CL488-15520

Featured Product



## Basic Information

Catalog Number:

CL488-15520

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7835

GenBank Accession Number:

BC021566

GeneID (NCBI):

4436

UNIPROT ID:

P43246

Full Name:

mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)

Calculated MW:

105 kDa

Observed MW:

100 kDa-105 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC: 1:200-1:800

FC (Intra): 0.80 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : HeLa cells,

## Background Information

MSH2, named for its homologous to the E.coli MutS gene, takes part in DNA mismatch repair(MMR) to maintain the stability of DNA. MSH2 contains a helix-turn-helix domain, which responds for binding to DNA. Also, MSH2 has a direct role in mutation avoidance and micro-satellite stability in cell.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

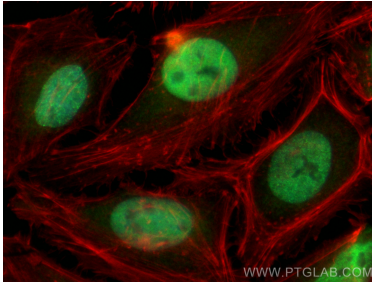
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

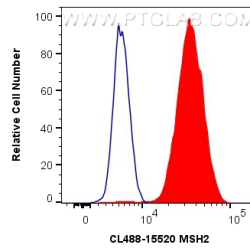
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 MSH2 antibody (CL488-15520) at dilution of 1:400, CL594-phalloidin (red).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.8  $\mu$ g CoraLite® Plus 488 Anti-Human MSH2 (CL488-15520) (red), or 0.8  $\mu$ g Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).