

For Research Use Only

CoraLite® Plus 488-conjugated MSH3 Recombinant antibody

Catalog Number:CL488-82845-3



Basic Information

Catalog Number:

CL488-82845-3

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18060

GenBank Accession Number:

BC130434

GeneID (NCBI):

4437

UNIPROT ID:

P20585

Full Name:

mutS homolog 3 (E. coli)

Calculated MW:

1137 aa, 127 kDa

Observed MW:

127 kDa

Purification Method:

Protein A purification

CloneNo.:

1J23

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, rat

Positive Controls:

IF/ICC : HeLa 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

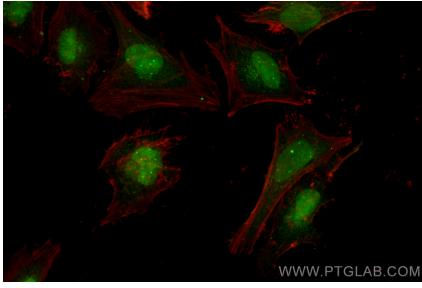
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 MSH3 antibody (CL488-82845-3, Clone: 1J23) at dilution of 1:200.