

For Research Use Only

CoraLite® Plus 488-conjugated POLD1 Recombinant monoclonal antibody

Catalog Number:CL488-86197-2



Basic Information

Catalog Number:

CL488-86197-2

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8178

GenBank Accession Number:

BC008800

GeneID (NCBI):

5424

UNIPROT ID:

P28340

Full Name:

polymerase (DNA directed), delta 1,
catalytic subunit 125kDa

Calculated MW:

1107 aa, 124 kDa

Observed MW:

124 kDa

Purification Method:

Protein A purification

CloneNo.:

250828E5

Recommended Dilutions:

IF/ICC: 1:300-1:1200

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells,

Background Information

POLD1, also known as DNA polymerase subunit delta p125, is 1107 amino acid protein, which belongs to the DNA polymerase type-B family. POLD1 colocalizes with PCNA and POLD3 at S phase replication sites (PubMed:11595739). As the catalytic component of the trimeric (Pol-delta3 complex) and tetrameric DNA polymerase delta complexes (Pol-delta4 complex), plays a crucial role in high fidelity genome replication, including in lagging strand synthesis, and repair. A previous study demonstrated that overexpression of POLD1 is associated with an increased risk of breast cancer. (

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:

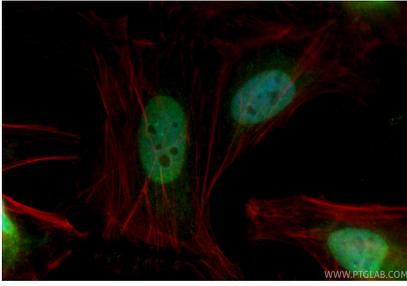
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 POLD1 antibody (CL488-86197-2, Clone: 250828E5) at dilution of 1:600, CL594-phalloidin (red).