

For Research Use Only

CoraLite® Plus 488-conjugated POLD1 Recombinant monoclonal antibody

Catalog Number:CL488-86197-2



Basic Information

Catalog Number: CL488-86197-2	GenBank Accession Number: BC008800	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5424	CloneNo.: 250828E5
Source: Rabbit	UNIPROT ID: P28340	Recommended Dilutions: IF/ICC: 1:300-1:1200
Isotype: IgG	Full Name: polymerase (DNA directed), delta 1, catalytic subunit 125kDa	Excitation/Emission maxima wavelenghts: 493 nm / 522 nm
Immunogen Catalog Number: AG8178	Calculated MW: 1107 aa, 124 kDa	
	Observed MW: 124 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human, mouse, rat	

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. (

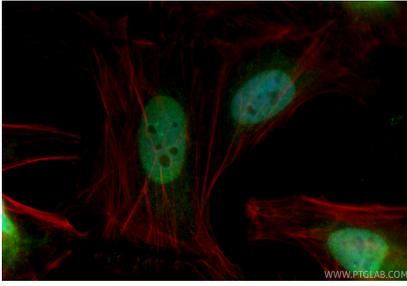
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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).