For Research Use Only

CoraLite® Plus 488-conjugated RPA2 Polyclonal antibody

Catalog Number:CL488-10412 Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-10412

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0690

GenBank Accession Number:
BC001630

GeneID (NCBI):
6118

UNIPROT ID:
P15927

Full Name:
replication protein A2, 32kDa

Calculated MW:
29 kDa

Observed MW:
32 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 0.80 ug per 10^6 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 : A431 cells,

FC (Intra) : U2OS cells,

Background Information

RPA2, a subunit of the heterotrimeric replication protein A (RPA) complex, is overexpressed in various cancers. RPA2 is a major target for upstream kinases, including CDKs and the three PIKKs (ATR, ataxia-telangiectasia mutated [ATM], and DNA-PK). RPA2 comprises multiple critical Ser/Tr residues that are phosphorylated in sequential order in response to genotoxic stress.

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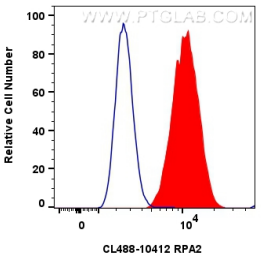
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite® Plus 488 RPA2 antibody (CL488-10412) at dilution of 1:200, CL594-Phalloidin (red).



1x10^6 U2OS cells were intracellularly stained with 0.8 ug Coralite® Plus 488 Rpa2 Polyclonal Antibody (CL488-10412)(red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.