

For Research Use Only

CoraLite® Plus 488-conjugated XPA Polyclonal antibody



Catalog Number: CL488-16462

Basic Information

Catalog Number:

CL488-16462

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9536

GenBank Accession Number:

BC014965

GeneID (NCBI):

7507

UNIPROT ID:

P23025

Full Name:

xeroderma pigmentosum,
complementation group A

Calculated MW:

374aa,42 kDa; 273aa,31 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse

Background Information

XPA, also named as DNA repair protein complementing XP-A cells, is a 272 amino acid protein, which belongs to the XPA family. XPA is expressed in various cell lines and in skin fibroblasts. XPA is involved in DNA excision repair. Initiates repair by binding to damaged sites with various affinities, depending on the photoproduct and the transcriptional state of the region. XPA is required for UV-induced CHEK1 phosphorylation and the recruitment of CEP164 to cyclobutane pyrimidine dimers (CPD), sites of DNA damage after UV irradiation. The calculated molecular weight of XPA is 31 kDa, but modified XPA protein is about 40 kDa (PMID: 17848622).

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:

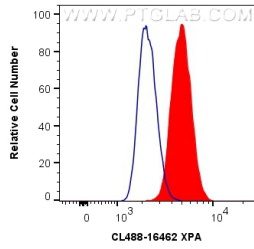
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human XPA (CL488-16462) (red), or 0.8 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).