

For Research Use Only

CoraLite® Plus 488-conjugated XPA Polyclonal antibody



Catalog Number: CL488-16462

Basic Information

Catalog Number: CL488-16462	GenBank Accession Number: BC014965	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7507	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	Full Name: xeroderma pigmentosum, complementation group A	
Isotype: IgG	Calculated MW: 374aa,42 kDa; 273aa,31 kDa	
Immunogen Catalog Number: AG9536	Observed MW: 40 kDa	

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.

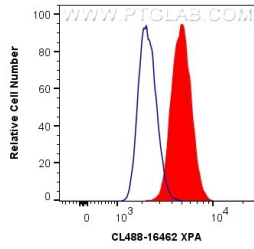
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



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).