

For Research Use Only

CoraLite® Plus 647-conjugated KU70 Polyclonal antibody

Catalog Number: CL647-10723

Featured Product



Basic Information

Catalog Number:

CL647-10723

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1043

GenBank Accession Number:

BC008343

GeneID (NCBI):

2547

UNIPROT ID:

P12956

Full Name:

X-ray repair complementing defective repair in Chinese hamster cells 6

Calculated MW:

75 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima

wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : HepG2 cells,

Background Information

X-ray repair cross-complementing protein 6 (XRCC6) gene encodes subunit p70 of the p70/p80 autoantigen which has a role in DNA repair or transposition. DNA helicase II complex binds preferentially to fork-like ends of double-stranded DNA in a cell cycle-dependent manner, which may be mediated by XRCC6. XRCC6/5 can form a heterodimer, which function as a regulatory subunit of the DNA-dependent protein kinase complex DNA-PK by increasing the affinity of the catalytic subunit PRKDC to DNA, and also it can stabilize broken DNA ends and bringing them together. Otherwise, XRCC5/6 heterodimer together with APEX1 can negatively regulate of transcription.

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:

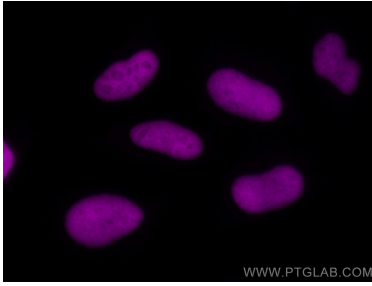
T: 4006900926

E: Proteintech-CN@ptglab.com

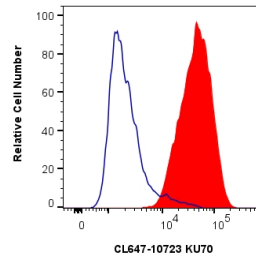
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 647 KU70 antibody (CL647-10723) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human KU70 (CL647-10723) (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.