

For Research Use Only

CoraLite® Plus 647-conjugated KU70 Polyclonal antibody



Catalog Number: CL647-10723

Featured Product

Basic Information

| | | |
|---|--|---|
| Catalog Number: CL647-10723 | GenBank Accession Number: BC008343 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 2547 | Excitation/Emission maxima wavelengths: 654 nm / 674 nm |
| Source: Rabbit | Full Name: X-ray repair complementing defective repair in Chinese hamster cells 6 | |
| Isotype: IgG | Calculated MW: 75 kDa | |
| Immunogen Catalog Number: AG1043 | Observed MW: 70 kDa | |

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, rat, mouse

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

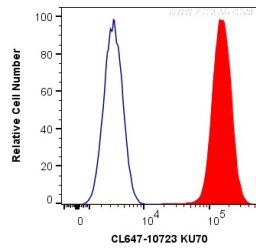
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
E: proteintech@ptglab.com
W: ptglab.com

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 0.2 ug CoraLite® Plus 647 Anti-Human KU70 (CL647-10723) (red), or 0.2 ug CL647-30000 Rabbit IgG (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).