

For Research Use Only

# CoraLite® Plus 488-conjugated TFDP2 Recombinant antibody

Catalog Number: CL488-84408-4



## Basic Information

Catalog Number:

CL488-84408-4

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2054

GenBank Accession Number:

BC021113

GeneID (NCBI):

7029

UNIPROT ID:

Q14188

Full Name:

transcription factor Dp-2 (E2F  
dimerization partner 2)

Calculated MW:

446 aa, 49 kDa

Purification Method:

Protein A purification

CloneNo.:

241457A12

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : U2OS cells,

## Background Information

TFDP2, also known as E2FDP2, is a coactivator of E2F factors and involves in EGF or IFN-gamma-mediated effects by enhancing or reducing active heterodimeric complexes. The DP2/E2F complex functions in the control of cell-cycle progression from G1 to S phase. The E2F1/DP complex appears to mediate both cell proliferation and apoptosis [PMID:16360038]. Binds DNA cooperatively with E2F family members through the E2 recognition site, 5'-TTTC[CG]CGC-3', found in the promoter region of several genes whose products are involved in cell cycle regulation or DNA replication [PMID:16721044].

## 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:

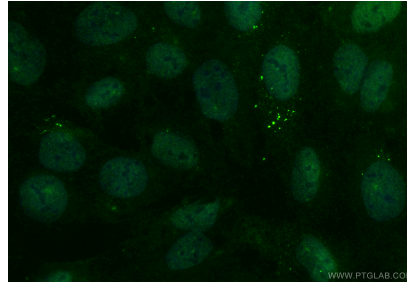
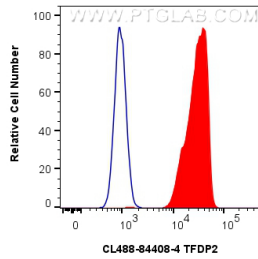
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## Selected Validation Data



$1 \times 10^6$  A431 cells were intracellularly stained with 0.4  $\mu$ g Coralite® Plus 488 Tfdp2 Recombinant Antibody (CL488-84408-4, Clone:241457A12)(red), or 0.4  $\mu$ g Coralite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).

Immunofluorescent analysis of (4% PFA) fixed U2OS cells using Coralite® Plus 488 TFDP2 antibody (CL488-84408-4, Clone: 241457A12) at dilution of 1:200.