

For Research Use Only

# CoraLite® Plus 488-conjugated NFKB2,p100 Recombinant antibody

Catalog Number:CL488-84022-6



## Basic Information

**Catalog Number:**

CL488-84022-6

**Concentration:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0662

**GenBank Accession Number:**

BC002844

**GeneID (NCBI):**

4791

**ENSEMBL Gene ID:**

ENSG00000077150

**UNIPROT ID:**

Q00653

**Full Name:**

nuclear factor of kappa light  
polypeptide gene enhancer in B-cells  
2 (p49/p100)

**Calculated MW:**

97 kDa

**Observed MW:**

100-110 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241126F1

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human

**Positive Controls:**

IF/ICC : U2OS cells,

## Background Information

NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and NFKB2/p52. NFKB2 appears to have dual functions such as cytoplasmic retention of attached NF-kappa-B proteins by p100 and generation of p52 by a cotranslational processing. The proteasome-mediated process ensures the production of both p52 and p100 and preserves their independent function. P52 binds to the kappa-B consensus sequence 5'-GGRNNYYCC-3', located in the enhancer region of genes involved in immune response and acute phase reactions. P52 and p100 are respectively the minor and major form; the processing of p100 being relatively poor. Isoform p49 is a subunit of the NF-kappa-B protein complex, which stimulates the HIV enhancer in synergy with p65. This antibody can bind p100 isoform of NFKB2 specifically, but not p52 isoform.

## 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:

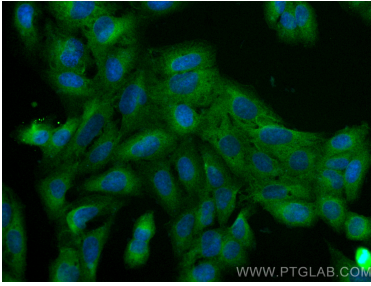
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® Plus 488 NFκB2,p100 antibody (CL488-84022-6, Clone: 241126F1) at dilution of 1:200.