

Nur für Forschungszwecke

# NRF1/nuclear respiratory factor 1 Monoklonaler Antikörper



Katalog-Nr.:CL488-66832

## Allgemeine Informationen

|   |  |   |
|---|--|---|
| <b>Katalog-Nr.:</b><br>CL488-66832                                      | <b>GenBank-Zugangsnummer:</b><br>BC016925                  | <b>Reinigungsmethode:</b><br>Protein-A-Reinigung                        |
| <b>Größe:</b><br>100ul , Konzentration: 1000 µg/ml von4899<br>Nanodrop; | <b>GeneID (NCBI):</b><br>nuclear respiratory factor 1      | <b>CloneNo.:</b><br>3C2B8   |
| <b>Wirt:</b><br>Maus  | <b>Vollständiger Name:</b><br>nuclear respiratory factor 1 | <b>Empfohlene Verdünnungen:</b><br>IF 1:50-1:500                        |
| <b>Isotyp:</b><br>IgG2b   | <b>Berechnete Masse:</b><br>522 aa, 56 kDa                 | <b>Anregungs-/Emissionsmaxima-<br/>Wellenlängen:</b><br>493 nm / 522 nm |
| <b>Immunogen Katalognummer:</b><br>AG28149                              | <b>Beobachtete Masse:</b><br>70 kDa                        |   |

## Anwendungen

|  |   |
|--|---|
| <b>Geprüfte Anwendungen:</b><br>FC (Intra), IF | <b>Positivkontrollen:</b><br>IF : HepG2-Zellen, |
| <b>Getestete Reaktivität:</b><br>Human         |   |

## Hintergrundinformationen

NRF1, also named as Alpha-pal and NRF-1, belongs to the NRF1/Ewg family. It is a transcription factor that activates the expression of the EIF2S1 (EIF2-alpha) gene. NRF1 is implicated in the control of nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. It plays a critical role in regulating the expression of many antioxidant response element (ARE)-dependent genes. NRF1 exists various isoforms and long isoform is about 67 kDa and short isoform is about 45 kDa.

## Lagerung

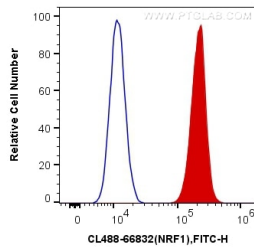
**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.  
**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

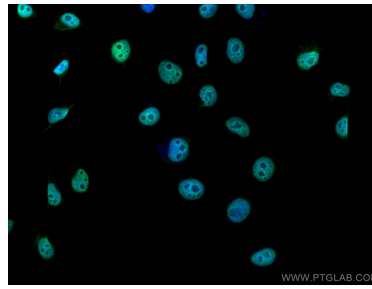
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Ausgewählte Validierungsdaten



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human NRF1/nuclear respiratory factor 1 (CL488-66832, Clone:3C2B8) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 NRF1 antibody (CL488-66832, Clone: 3C2B8) at dilution of 1:200.