

## Allgemeine Informationen

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|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Katalog-Nr.:</b><br>CL488-67110                                      | <b>GenBank-Zugangsnummer:</b><br>BC101631                                                            | <b>Reinigungsmethode:</b><br>Protein-G-Reinigung                        |
| <b>Größe:</b><br>100ul , Konzentration: 1000 µg/ml von1576<br>Nanodrop; | <b>GeneID (NCBI):</b><br>von1576                                                                     | <b>CloneNo.:</b><br>2F11C4                                              |
| <b>Wirt:</b><br>Maus                                                    | <b>Vollständiger Name:</b><br>cytochrome P450, family 3, subfamily 1F 1:50-1:500<br>A, polypeptide 4 | <b>Empfohlene Verdünnungen:</b>                                         |
| <b>Isotyp:</b><br>IgG1                                                  | <b>Berechnete Masse:</b><br>503 aa, 57 kDa                                                           | <b>Anregungs-/Emissionsmaxima-<br/>Wellenlängen:</b><br>493 nm / 522 nm |
| <b>Immunogen Katalognummer:</b><br>AG13074                              | <b>Beobachtete Masse:</b><br>51-57 kDa                                                               |                                                                         |

## Anwendungen

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

## Hintergrundinformationen

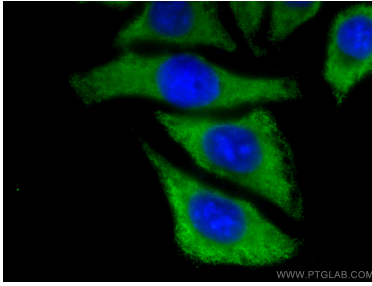
Cytochrome P450 3A(CYP3A) belongs to the cytochrome P450 family and the enzymes constitute an important detoxification system that contributes to primary metabolism of more than half of all prescribed medications. CYP3A expression determines impairment of drug absorption and efficient systemic clearance in a tissue-specific manner(PMID:17975676). The murine homolog of human CYP3A4 is CYP3A11 (PMID: 19297428). The highest amounts of drug-metabolizing cytochromes P-450 are found in the liver and intestine, with lower amounts found in other organs, including the kidney, lung, and brain. LPS that has reached the circulation stimulates a TLR4-dependent mechanism in the periphery, evoking a reduction in Cyp3a11 expression and metabolism in the liver (PMID: 15878984).

## Lagerung

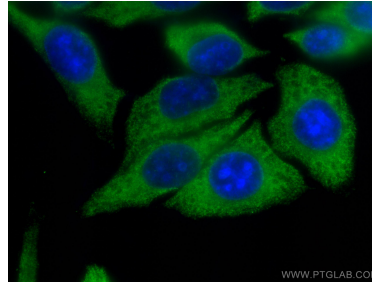
**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.  
**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

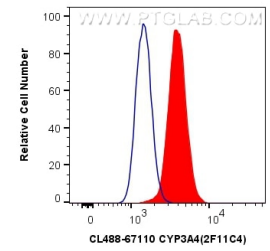
## Ausgewählte Validierungsdaten



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 CYP3A4 antibody (CL488-67110, Clone: 2F11C4 ) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 CYP3A4 antibody (CL488-67110, Clone: 2F11C4 ) at dilution of 1:200.



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human CYP3A4 (CL488-67110, Clone:2F11C4) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).