

Nur für Forschungszwecke

# ATG16L1 Monoklonaler Antikörper

Katalog-Nr.: 67943-1-Ig **2 Publikationen**



## Allgemeine Informationen

|   |  |   |
|---|--|---|
| <b>Katalog-Nr.:</b><br>67943-1-Ig                           | <b>GenBank-Zugangsnummer:</b><br>BC000061                                      | <b>Reinigungsmethode:</b><br>Protein-G-Reinigung  |
| <b>Größe:</b><br>150ul, Konzentration: 1000 µg/ml von 55054 | <b>GeneID (NCBI):</b><br>55054   | <b>CloneNo.:</b><br>1G5G7                         |
| <b>Nanodrop;</b>  | <b>Vollständiger Name:</b><br>ATG16 autophagy related 16-like 1 (S.cerevisiae) | <b>Empfohlene Verdünnungen:</b><br>IF 1:200-1:800 |
| <b>Wirt:</b><br>Maus  | <b>Berechnete Masse:</b><br>607 aa, 68 kDa                                     |   |
| <b>Isotyp:</b><br>IgG1                                      | <b>Beobachtete Masse:</b><br>68-75 kDa   |   |
| <b>Immunogen Katalognummer:</b><br>AG14881                  |  |   |

## Anwendungen

|   |  |
|---|--|
| <b>Geprüfte Anwendungen:</b><br>IF, WB, ELISA       | <b>Positivkontrollen:</b><br>WB: HSC-T6 cells, 4T1-Zellen, HepG2-Zellen, NIH/3T3-Zellen, PC-12-Zellen, Rattenlungengewebe<br>IF: HepG2-Zellen, |
| <b>In Publikationen genannte Anwendungen:</b><br>WB |  |
| <b>Getestete Reaktivität:</b><br>Human, Maus, Ratte |  |
| <b>Zitierte Arten:</b><br>Hausschwein, Human        |  |

## Hintergrundinformationen

Human ATG16L1 is a 607 amino acid protein (~68 kDa) comprising three major domains: the N-terminal ATG5 binding domain (ATG5-BD), the central coiled-coil domain (CCD) and a predicted C-terminal WD40-domain. ATG16L1 $\alpha$  and  $\beta$  (Atg16L1 $\alpha$ , 63 kDa; and Atg16L1 $\beta$ , 71 kDa) are the major isoforms expressed in intestinal epithelium and macrophages, and all isoforms encode exon 9, which contains Thr 300. Atg16L1 mediates the cellular degradative process of autophagy and is considered a critical regulator of inflammation based on its genetic association with inflammatory bowel disease. ATG16L1 has been implicated in Crohn's disease. (PMID: 24553140, PMID: 22740627, PMID: 28685931)

## Bemerkenswerte Veröffentlichungen

| Verfasser   | Pubmed ID | Journal          | Anwendung |
|-------------|-----------|------------------|-----------|
| Nengwen Xia | 36311807  | Front Immunol    | WB        |
| Fang Wen    | 36117315  | Epileptic Disord | WB        |

## Lagerung

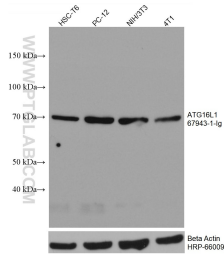
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

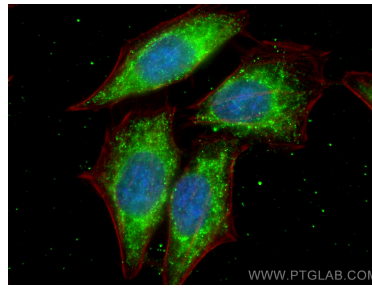
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## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 67943-1-Ig (ATG16L1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ATG16L1 antibody (67943-1-Ig, Clone: 1G5G7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).