

Datasheet for ABIN756382  
**anti-ATG3 antibody (pTyr18)**



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## Overview

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|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                                                                                                                    |
| Target:              | ATG3                                                                                                                                                                                                                                                      |
| Binding Specificity: | pTyr18                                                                                                                                                                                                                                                    |
| Reactivity:          | Human                                                                                                                                                                                                                                                     |
| Host:                | Rabbit                                                                                                                                                                                                                                                    |
| Clonality:           | Polyclonal                                                                                                                                                                                                                                                |
| Conjugate:           | This ATG3 antibody is un-conjugated                                                                                                                                                                                                                       |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)),<br>Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

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| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human ATG3 around the phosphorylation site of Tyr18 |
| Isotype:              | IgG                                                                                                      |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit                                                         |
| Purification:         | Purified by Protein A.                                                                                   |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | ATG3                                   |
| Alternative Name: | ATG3 ( <a href="#">ATG3 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Background: | <p>Synonyms: 2610016C12Rik, Apg 3, APG3, APG3 autophagy 3 like, APG3 like, APG3-like, APG3L, Apg3p, ATG 3, ATG3, ATG3 autophagy related 3 homolog, ATG3 autophagy related 3 homolog S. cerevisiae, ATG3_HUMAN, Autophagy Apg3p/Aut1p like, Autophagy related protein 3, Autophagy-related protein 3, DKFZp564M1178, FLJ22125, hApg3, MGC15201, OTTHUMP00000214547, OTTHUMP00000214548, PC3 96, Protein PC3-96, Ubiquitin-like-conjugating enzyme ATG3.</p> <p>Background: E2-like enzyme involved in autophagy and mitochondrial homeostasis. Catalyzes the conjugation of ATG8-like proteins (GABARAP, GABARAPL1, GABARAPL2 or MAP1LC3A) to phosphatidylethanolamine (PE). PE-conjugation to ATG8-like proteins is essential for autophagy. Preferred substrate is MAP1LC3A. Also acts as an autocatalytic E2-like enzyme, catalyzing the conjugation of ATG12 to itself, ATG12 conjugation to ATG3 playing a role in mitochondrial homeostasis but not in autophagy. ATG7 (E1-like enzyme) facilitates this reaction by forming an E1-E2 complex with ATG3.</p> |
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| Gene ID: | 64422 |
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| Pathways: | <a href="#">Autophagy</a> |
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## Application Details

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| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
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|               |                       |
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| Restrictions: | For Research Use only |
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## Handling

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|--------------------|-------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                              |
| Concentration:     | 1 µg/µL                                                                             |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.               |
| Preservative:      | ProClin                                                                             |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be |

Handling

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|                  |                                                                                 |
|------------------|---------------------------------------------------------------------------------|
|                  | handled by trained staff only.                                                  |
| Storage:         | 4 °C,-20 °C                                                                     |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date:     | 12 months                                                                       |