

Datasheet for ABIN756384

anti-ATG3 antibody (pTyr18) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ATG3
Binding Specificity:	pTyr18
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG3 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

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 (ATG3 Products)

Target Details

Background:	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. 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.
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Gene ID:	64422
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Pathways:	Autophagy
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Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

Handling

Expiry Date: 12 months