

Datasheet for ABIN2785623
anti-ATG3 antibody (Middle Region)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	ATG3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATG3
Sequence:	LWLFGYDEQR QPLTVEHMYE DISQDHVKKT VTIENHPLP PPPMCSVHPC
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 75%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against ATG3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ATG3
---------	------

Target Details

Alternative Name:	ATG3 (ATG3 Products)
Background:	Autophagy is a process of bulk degradation of cytoplasmic components by the lysosome or vacuole. Human ATG3 displays the same enzymatic characteristics in vitro as yeast Apg3, a protein-conjugating enzyme essential for autophagy (Tanida et al., 2002 [PubMed 11825910]). Alias Symbols: APG3, APG3-LIKE, APG3L, DKFZp564M1178, FLJ22125, MGC15201, PC3-96 Protein Interaction Partner: HUWE1, MAP1LC3B, UBC, SUMO1, NEDD8, ATG7, ATG5, ATG12, BECN1, HSPA9, DFFA, ASS1, NHLRC2, NANS, TNFAIP8, RPL23, BAG3, FBNP1L, GABARAPL1, MAP1LC3A, CFLAR, CREBBP, MAP1LC3C, ATG10, AMBRA1, ATG16L1, TECPR1, OBSL1, ATG4B, GABARAPL2, GABARAP, MAP1B, KRT85, Protein Size: 314
Molecular Weight:	36 kDa
Gene ID:	64422
NCBI Accession:	NM_022488 , NP_071933
UniProt:	Q9NT62
Pathways:	Autophagy

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 314 AA
Restrictions:	For Research Use only

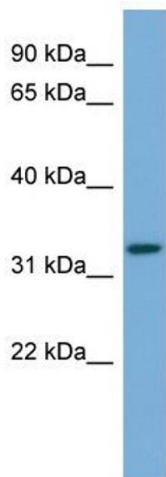
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



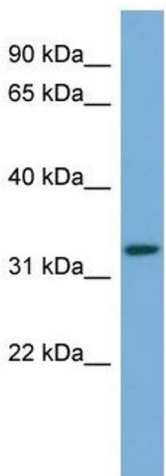
Western Blotting

Image 1. WB Suggested Anti-ATG3

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: 93T cell lysate

ATG3 is supported by BioGPS gene expression data to be expressed in HEK293T



Western Blotting

Image 2. WB Suggested Anti-ATG3 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: 293T cell lysate