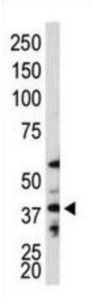
Ubiquitin-Like-Conjugating Enzyme ATG3 (ATG3) Antibody

Catalogue No.:abx029992



Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). APG3L is an E2-like conjugating enzyme facilitating covalent binding of APG8 (MAP1LC3) to phosphatidylethanolamine (PE). APG7 (an E1-like enzyme) facilitates this reaction by forming an E1-E2 complex with APG3. Formation of the PE conjugate is essential for autophagy.

Target:	Ubiquitin-Like-Conjugating Enzyme ATG3 (ATG3)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 168-197 amino acids from the C-terminal region of human ATG3.
Isotype:	IgG
Form:	Liquid
Purification:	Purified Rabbit Polyclonal Antibody.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

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UniProt Primary AC:	Q9NT62 (UniProt, ExPASy)
Gene Symbol:	ATG3
GeneID:	64422
OMIM:	609606
NCBI Accession:	NP_001265641.1, NP_071933.2
HGNC:	20962
KEGG:	hsa:64422
Ensembl:	ENSG00000144848
String:	9606.ENSP00000283290
Molecular Weight:	Calculated MW: 35.9 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Cow ATG3.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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