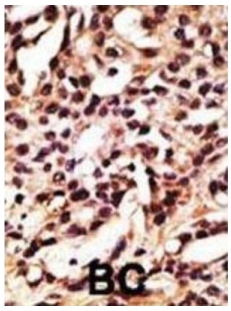
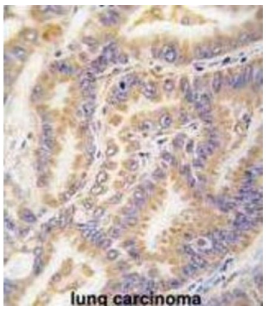
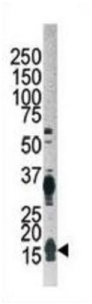
Ubiquitin-Like Protein ATG12 (ATG12) Antibody

Catalogue No.:abx030073







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). APG12L is the human homolog of yeast APG12, a ubiquitin-activating enzyme E1-like protein essential for the conjugation system that mediates membrane fusion in autophagy.

Target:	Ubiquitin-Like Protein ATG12 (ATG12)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, IF/ICC

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Host:	Rabbit
Recommended dilutions:	WB: 1/2000, IHC-P: 1/50 - 1/100, IF/ICC: 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human ATG12.
Isotype:	IgG
Form:	Liquid
Purification:	Purified Rabbit Polyclonal Antibody.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O94817 (UniProt, ExPASy)
Gene Symbol:	ATG12
GeneID:	9140
OMIM:	609608
NCBI Accession:	NP_001264712.1, NP_004698.3
HGNC:	588
KEGG:	hsa:9140
Ensembl:	ENSG00000145782
String:	9606.ENSP00000425107
Molecular Weight:	Calculated MW: 15.1 kDa
Buffer:	PBS containing 0.09% sodium azide.
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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