

Datasheet for ABIN1449605
anti-ATG5 antibody (N-Term)

6 Images

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Overview

Quantity:	0.4 mL
Target:	ATG5
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 1~30 amino acids from the N-term of Human APG5L Genename: ATG5
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse ATG5 (N-term). Other species not tested.
Purification:	Saturated Ammonium Sulfate precipitation followed by dialysis against PBS

Target Details

Target:	ATG5
Alternative Name:	APG5L / ATG5 (ATG5 Products)

Target Details

Background:	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). APG5, required for autophagy, conjugates to ATG12 and associates with an isolation membrane to form a cup-shaped isolation membrane and autophagosome. The conjugate detaches from the membrane immediately before or after autophagosome formation is completed. APG5 may also play an important role in the apoptotic process, possibly within the modified cytoskeleton. Its expression is a relatively late event in the apoptotic process, occurring downstream of caspase activity.Synonyms: APG5-like, ASP, Apoptosis-specific protein, Autophagy protein 5
Molecular Weight:	32447 Da
Gene ID:	9474
NCBI Accession:	NP_004840
Pathways:	Activation of Innate immune Response , Production of Molecular Mediator of Immune Response , Autophagy

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

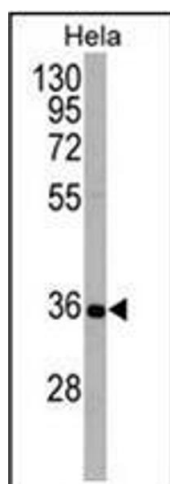
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage: 4 °C/-20 °C

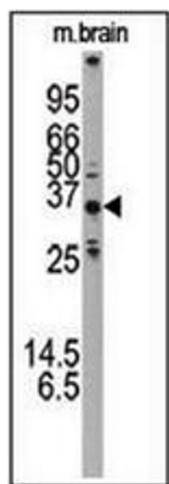
Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



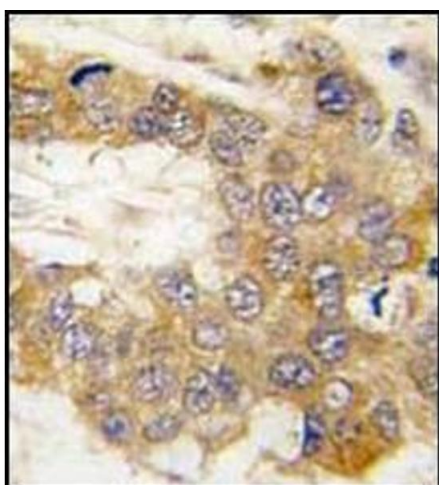
Western Blotting

Image 1. Western blot analysis using ATG5 Antibody (N-term) in HeLa cell line lysates (35ug/lane).



Western Blotting

Image 2. Western blot analysis using ATG5 Antibody (N-term) Cat.-No AP32173PU-N to detect APG5L in mouse brain tissue lysate.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-Fixed, Paraffin-Embedded human breast carcinoma tissue reacted with Autophagy ATG5 Antibody (N-term) followed which was peroxidase conjugated to the secondary antibody, followed by DAB staining.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1449605.