

ATG5 Mouse Monoclonal Antibody(3C7)

Catalog No: RA10210

Basic Information

Host species	Mouse
Applications	WB, IHC
Species Cross-Reactivity	H,R,M
Specificity	The antibody can detects endogenous ATG5 proteins.
Recommended dilutions	WB: 1:5,000-10,000 IHC: 1:100-200 Optimal dilutions should be determined by the end user.

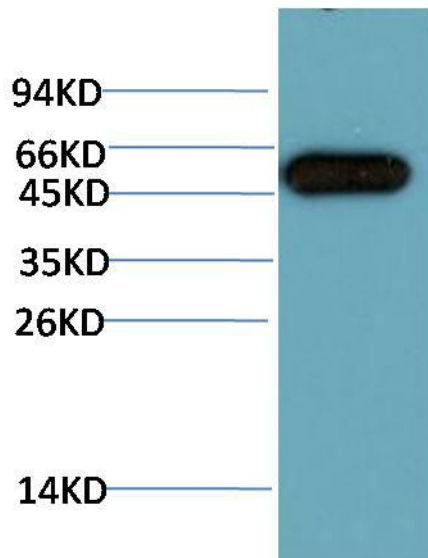
Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

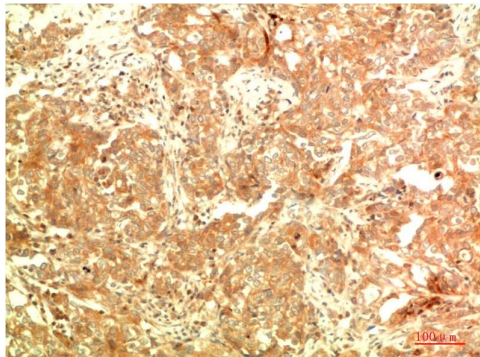
Background

Alternative Names	APG5, APG5L, ASP, Autophagy protein 5 antibody
Observed band	55
Human Gene ID	9494
Human Swiss-Prot Number	Q9H1Y0
Background	Autophagy is generally activated by conditions of nutrient deprivation but has also been associated with a number of physiological processes including development, differentiation, neurodegeneration, infection, and cancer. Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and targeted to autophagosome vesicles. This conjugation reaction is mediated by the ubiquitin E1-like enzyme Atg7 and the E2-like enzyme Atg10.

Selected Validation Data



Western blot analysis of HeLa Cell Lysate using ATG5 Mouse mAb diluted at 1:10000.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using ATG5 Mouse mAb diluted at 1:200.