

Anti-ATG5 Antibody (7R786)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 55 kDa.
Clone:	7R786
Purification:	ProA affinity purified

Applications

Application:	ICC/IF,IHC,IP,WB
Recommended	WB: 1:1000-5000; IHC: 1:50-200; ICC/IF: 1:100-500

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q9H1Y0
Synonyms:	Autophagy protein 5;ASP;Apoptosis-specific protein;APG5-like;APG5L;ATG5

Research Background

Autophagy is a catabolic process for the autophagosomic-lysosomal degradation of bulk cytoplasmic contents. 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. The molecular machinery of autophagy was largely discovered in yeast and referred to as autophagy-related (Atg) genes. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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