

## ARG43571 anti-Beclin 1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Beclin 1.
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Beclin 1
Species	Human
Immunogen	Purified recombinant protein corresponding to human Beclin 1.
Conjugation	Un-conjugated
Alternate Names	BECN1; Beclin 1; VPS30; ATG6; Coiled-Coil Myosin-Like BCL2-Interacting Protein; Beclin 1, Autophagy Related; Beclin-1; Beclin 1 (Coiled-Coil, Moesin-Like BCL2 Interacting Protein); Beclin 1 (Coiled-Coil, Moesin-Like BCL2-Interacting Protein); ATG6 Autophagy Related 6 Homolog (S. Cerevisiae); Testis Secretory Sperm-Binding Protein Li 215e; ATG6 Autophagy Related 6 Homolog; Beclin1-Gamma; Protein GT197; Beclin1-Beta; Beclin1; GT197

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:10 - 1:30
	IP	1:10 - 1:30
	WB	1:500 - 1:2000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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<b>Gene Symbol</b>	BECN1
<b>Gene Full Name</b>	beclin 1, autophagy related
<b>Background</b>	This gene encodes a protein that regulates autophagy, a catabolic process of degradation induced by starvation. The encoded protein is a component of the phosphatidylinositol-3-kinase (PI3K) complex which mediates vesicle-trafficking processes. This protein is thought to play a role in multiple cellular processes, including tumorigenesis, neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
<b>Function</b>	Protects against infection by a neurovirulent strain of Sindbis virus. May play a role in antiviral host defense. [UniProt]
<b>Highlight</b>	Related products: <a href="#">Beclin 1 antibodies</a> ; <a href="#">Beclin 1 Duos / Panels</a> ;
<b>Research Area</b>	Cancer antibody; Cell Death antibody; Gene Regulation antibody; Metabolism antibody; Microbiology and Infectious Disease antibody; Autophagy Study antibody
<b>PTM</b>	Acetylation, Isopeptide bond, Phosphoprotein, Ubl conjugation. [UniProt]
<b>Cellular Localization</b>	Cytoplasm, Cytoplasmic vesicle, Endoplasmic reticulum, Endosome, Golgi apparatus, Membrane, Mitochondrion, Nucleus. [UniProt]