

Datasheet for ABIN7145346

anti-Beclin 1 antibody (AA 1-100) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Beclin 1 (BECN1)
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Beclin 1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Beclin-1 protein (1-100AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Beclin 1 (BECN1)
Alternative Name:	BECN1 (BECN1 Products)
Background:	Background: Plays a central role in autophagy (PubMed:23184933). Acts as core subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate, different complex

Target Details

forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and required for the abscission step in cytokinesis, probably in the context of PI3KC3-C2 (PubMed:20643123, PubMed:20208530). Essential for the formation of PI3KC3-C2 but not PI3KC3-C1 PI3K complex forms. Involved in endocytosis (PubMed:25275521). Protects against infection by a neurovirulent strain of Sindbis virus (PubMed:9765397). May play a role in antiviral host defense.

Aliases: APG6 antibody, ATG 6 antibody, ATG6 antibody, ATG6 autophagy related 6 homolog antibody, Bcl-2-interacting protein beclin antibody, Beclin 1 (coiled coil moesin like BCL2 interacting protein) antibody, Beclin 1 autophagy related antibody, Beclin-1 antibody, Beclin1 antibody, BECN 1 antibody, Becn1 antibody, BECN1_HUMAN antibody, Coiled coil myosin like BCL2 interacting protein antibody, Coiled-coil myosin-like BCL2-interacting protein antibody, GT197 antibody, Protein GT197 antibody, VPS 30 antibody, VPS30 antibody

UniProt: [Q14457](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.