Mouse anti-Human BECN1 Monoclonal Antibody | anti-BECN1 antibody

BECN1 Antibody (Ascites)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283500	**Mouse**	**Human**	**Immunofluorescence, Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

BECN1; Monoclonal Antibody; BECN1 Antibody (Ascites); Beclin-1; Coiled-coil myosin-like BCL2-interacting protein; Protein GT197; GT197; anti-BECN1 antibody

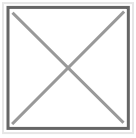
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgM, kappa
Clone Number	117CT2.5.1.1
Specificity	This BECN1 Monoclonal antibody was raised using purified His-tagged recombinant full length human Autophagy BECN1.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Sequence Length	450
Applicable Applications for anti-BECN1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of BECN1 Monoclonal Antibody with paraffin-embedded human brain tissue.0.05 mg/ml primary antibody was followed by PE-conjugated goat anti-mouse IgG (whole molecule). PE emits orange fluorescence.

IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human brain with BECN1 Monoclonal Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-BECN1 Monoclonal Antibody in Jurkat cell line lysates (35ug/lane). BECN1 (arrow) was detected using the Mab ascites (1:100 dilution).

ADDITIONAL INFORMATION

Related Product Information for anti-BECN1 antibody	Beclin-1 participates in the regulation of autophagy and has an important role in development, tumorigenesis, and neurodegeneration (Zhong et al., 2009 [PubMed 19270693]).
Product Categories/Family for anti-BECN1 antibody	Cancer; Metabolism; Microbiology
References	Age at onset in Huntington's disease is modified by the autophagy pathway: implication of the V471A polymorphism in Atg7. Metzger S, et al. Hum Genet, 2010 Oct. PMID 20697744. Interaction of Beclin 1 with survivin regulates sensitivity of human glioma cells to TRAIL-induced apoptosis. Niu TK, et al. FEBS Lett, 2010 Aug 20. PMID 20638385. Regulation of amyloid precursor protein processing by the Beclin 1 complex. Jaeger PA, et al. PLoS One, 2010 Jun 15. PMID 20559548. Genetic and epigenetic silencing of the beclin 1 gene in sporadic breast tumors. Li Z, et al. BMC Cancer, 2010 Mar 16. PMID 20230646. Over-expression of the Beclin1 gene upregulates chemosensitivity to anti-cancer drugs by enhancing therapy-induced apoptosis in cervix squamous carcinoma CaSki cells. Sun Y, et al. Cancer Lett, 2010 Aug 28. PMID 20207475.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502395
NCBI GeneID	8678
NCBI Accession #	NP_003757.1
NCBI GenBank Nucleotide #	NM_003766.3
UniProt Accession #	Q14457; O75595; Q9UNA8; B2R6N7
Molecular Weight	51896
NCBI Official Full Name	beclin-1
NCBI Official Synonym Full Names	beclin 1, autophagy related
NCBI Official Symbol	BECN1
NCBI Official Synonym Symbols	ATG6; VPS30; beclin1
NCBI Protein Information	beclin-1
UniProt Protein Name	Beclin-1
UniProt Gene Name	**BECN1**
UniProt Synonym Gene Names	GT197
UniProt Entry Name	BECN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/becn1-antibody-clone-117ct2-5-1-1-immunofluorescence-immunohistochemistry-western-blot-elisa/283500