

Product datasheet for **TA502674AM**

Beclin 1 (BECN1) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1E1]

Product data:

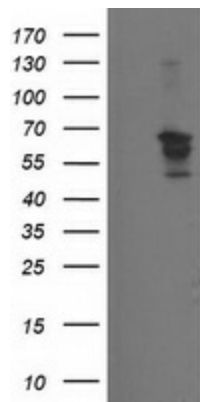
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|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1E1 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human BECN1 (NP_003757) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 51.7 kDa |
| Gene Name: | beclin 1 |
| Database Link: | NP_003757 Entrez Gene 56208 Mouse Entrez Gene 114558 Rat Entrez Gene 8678 Human Q14457 |
| Background: | Beclin-1 participates in the regulation of autophagy and has an important role in development, tumorigenesis, and neurodegeneration (Zhong et al., 2009 [PubMed 19270693]). [supplied by OMIM] |
| Synonyms: | ATG6; beclin1; VPS30 |
| Protein Families: | Druggable Genome |



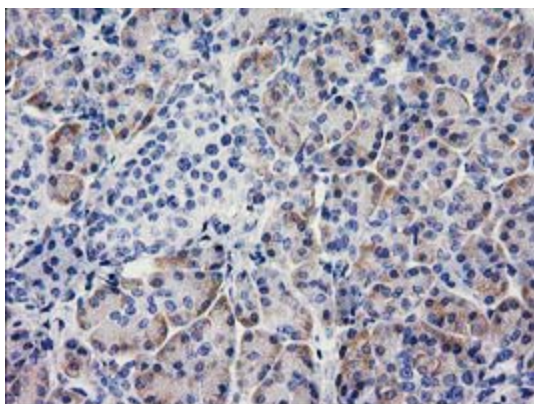
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Protein Pathways: Regulation of autophagy

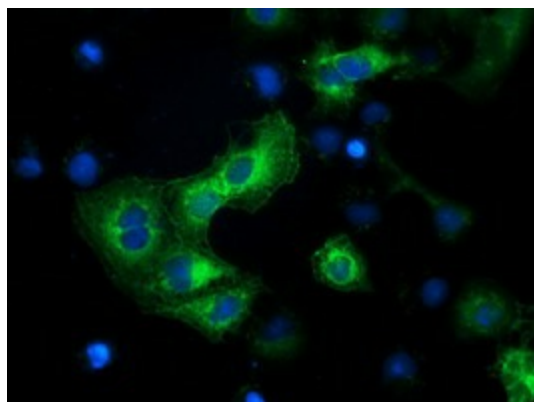
Product images:



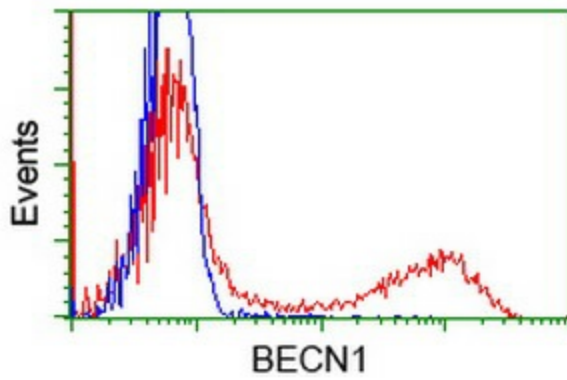
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BECN1 ([RC201629], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BECN1. Positive lysates [LY401239] (100ug) and [LC401239] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-BECN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502674])



Anti-BECN1 mouse monoclonal antibody ([TA502674]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BECN1 ([RC201629]).



HEK293T cells transfected with either [RC201629] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-BECN1 antibody ([TA502674]), and then analyzed by flow cytometry.