Product Datasheet

Anti-Beclin-1 Antibody (orb1473782)

Description	Mouse monoclonal antibody to Beclin-1
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IF, IH, WB
Immunogen	Recombinant fusion protein of human Beclin-1. The exact sequence is proprietary.
Target	BECN1
Preservatives	Mouse IgG3 kappa. Supplied in crude ascites with 0.01% sodium azide.
Form/Appearance	Mouse IgG3 kappa. Supplied in crude ascites with 0.01% sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Clonality	Monoclonal
Antibody Type	Primary Antibody
Source	Mouse
Uniprot ID	Q14457
Entrez	8678
Dilution Range	WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/10 - 1/50)
Expiration Date	12 months from date of receipt.

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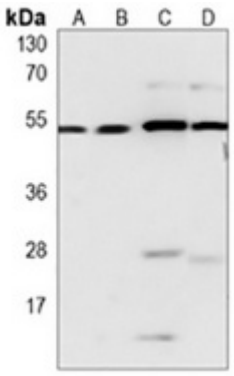
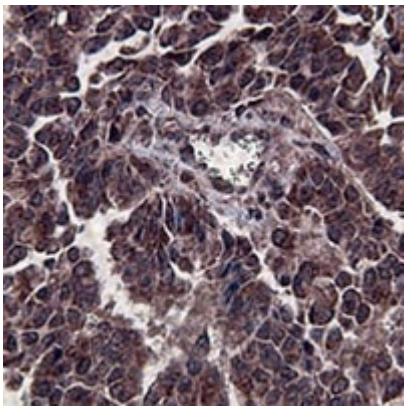
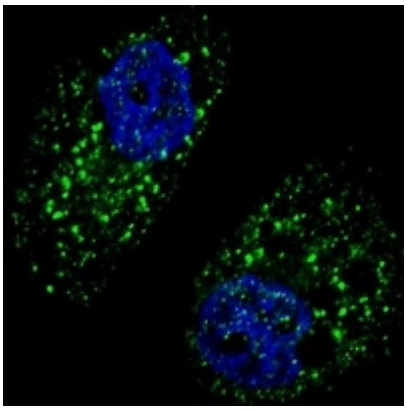


Western blot analysis of Beclin-1 expression in HepG2 (A), 293 (B), Jurkat (C), Hela (D) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 51 kD)



Immunohistochemical analysis of Beclin-1 staining in human breast carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Beclin-1 staining in U251 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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