

## Product Datasheet

### Beclin-1 Mouse Monoclonal Antibody (orb1473782)

<b>Catalog Number</b>	orb1473782
<b>Category</b>	Antibodies
<b>Description</b>	The Beclin-1 Antibody is suitable for IF, IHC, WB. It is a Monoclonal, Unconjugated antibody which raised against Recombinant fusion protein of human Beclin-1. The exact sequence is proprietary.
<b>Target</b>	BECN1
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG3 kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	crude ascites with 0.01% sodium azide.
<b>Immunogen</b>	Recombinant fusion protein of human Beclin-1. The exact sequence is proprietary.
<b>UniProt ID</b>	<b>Q14457</b>
<b>Tested applications</b>	IF, IHC, WB
<b>Dilution range</b>	WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/10 - 1/50)
<b>Specificity</b>	Recognizes endogenous levels of Beclin-1 protein.
<b>Antibody Type</b>	Primary Antibody

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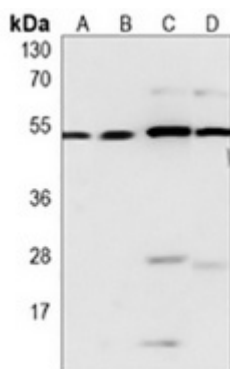
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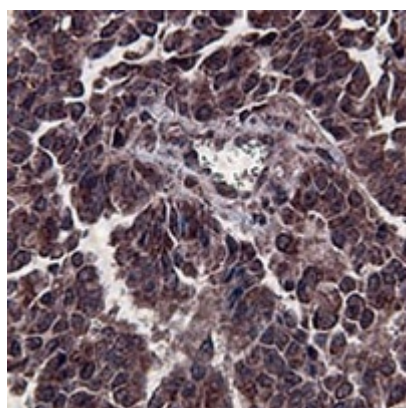
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<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Entrez</b>	<b>8678</b>
<b>Expiration Date</b>	12 months from date of receipt.



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.

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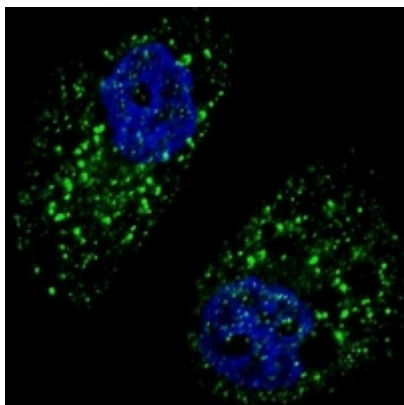
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Immunofluorescent analysis of Beclin-1 staining in U251 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary 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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