

Product datasheet

Anti-Beclin 1 antibody [2A4] ab114071

★★★★★ [5 Abreviews](#) [28 References](#) [3 Images](#)

Overview

Product name	Anti-Beclin 1 antibody [2A4]
Description	Mouse monoclonal [2A4] to Beclin 1
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human Beclin 1 aa 51-248. Database link: Q14457
Positive control	WB: Hela; A431; MCF7; RAJ1; Jurkat and SKBR3 cell lysates IHC-P: Breast cancer and liver cancer tissues
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	2A4
Isotype	IgG1

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab114071 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	1/500 - 1/2000. Predicted molecular weight: 60 kDa.
IHC-P		1/200 - 1/1000.
Flow Cyt		1/200 - 1/400. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function

Plays a central role in autophagy (By similarity). May play a role in antiviral host defense. Protects against infection by a neurovirulent strain of Sindbis virus.

Tissue specificity

Ubiquitous.

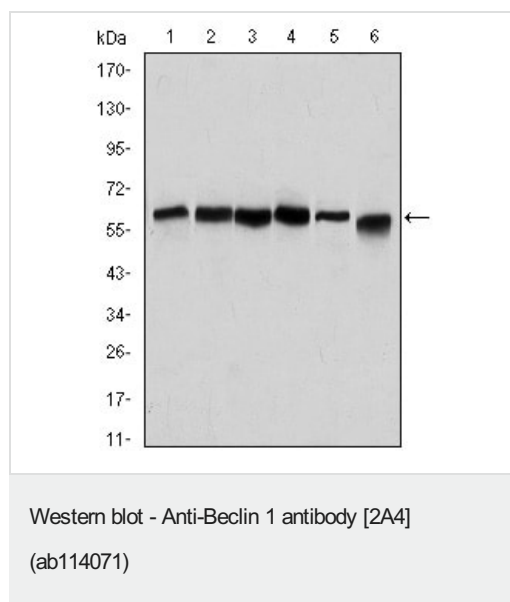
Sequence similarities

Belongs to the beclin family.

Cellular localization

Golgi apparatus > trans-Golgi network membrane. Interaction with ATG14 promotes translocation to autophagosomes. Expressed in dendrites and cell bodies of cerebellar Purkinje cells.

Images



All lanes : Anti-Beclin 1 antibody [2A4] (ab114071) at 1/500 dilution

Lane 1 : Hela cell lysate

Lane 2 : A431 cell lysate

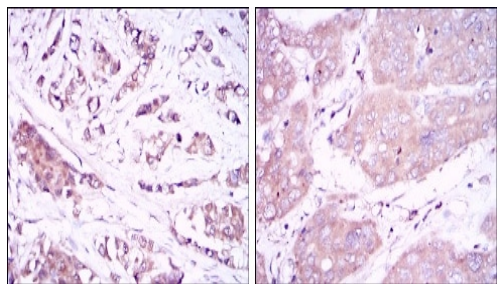
Lane 3 : MCF7 cell lysate

Lane 4 : Raji cell lysate

Lane 5 : Jurkat cell lysate

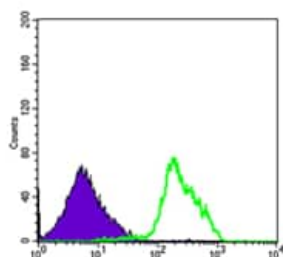
Lane 6 : SKBR3 cell lysate

Predicted band size: 60 kDa



Immunohistochemical analysis of Beclin 1 expression in paraffin embedded breast cancer tissues (left) and liver cancer tissues (right) using ab114071 at 1/200 dilution with DAB staining

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Beclin 1 antibody [2A4] (ab114071)



Flow cytometric analysis of RAJI cells using Beclin 1 mouse mAb (green) and negative control (purple).

Flow Cytometry - Anti-Beclin 1 antibody [2A4] (ab114071)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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