

Mouse Monoclonal Antibody to

Beclin clone 12B4

Order No.: 0240-100/Beclin-12B4
Size (µg) 100
Lot No.: 0240S



www.nanotools.de

orders & support:

email: info@nanotools.de
 phone: +49-7641-455 670
 fax: +49-7641-455 671

02/140207F

Isotype:	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope:	Immunogen:
IgG1	human, mouse, rat, dog	WB	52 kDa	Neuro 2A	synthetic peptide derived from Beclin sequence	synthetic peptide conjugated to hemocyanin

Background and Specificity:

Autophagy is an alternative process of proteasomal degradation for some long-lived proteins or organelles. This process is important in normal cellular growth control and may be defective in tumor cells. Genetic studies revealed that Beclin-1 has structural similarity to the yeast autophagy gene, atg6. Beclin-1 is part of a complex with class III PI3 kinase, Vsp34, that is responsible for autophagosome formation.

Mab Beclin-12B4 recognizes Beclin at 52 kDa in Western-blot application.

Related Products

mab to LC3
 #0231-100/LC-3-5F10
 #0260-100/LC3-2G6

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent ultrafiltration and size exclusion chromatography.

Formulation: liquid in PBS/0.09% Na-Azide/PEG and Sucrose/50% Glycerol (1 ml, c = 100 µg/ml)

Reconstitution:

Stability: Aliquote and store at -20°C up to 1 year

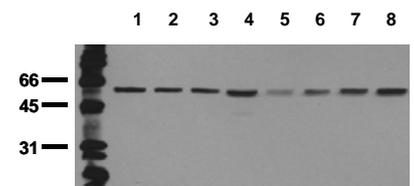
Positive Control: #0911: Cell lysate from untreated Neuro 2A

Immunoblotting: 0.5 µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation ND

Immunocytochemistry ND

ELISA: ND



Detection of endogenous Beclin

Whole cell lysates of untreated tumor cells were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab Beclin-12B4 (0.5 µg/ml) for 1h at RT and developed by ECL (exp. time: 30 sec).

lane 1: HeLa; lane 2: HepG2; lane 3: HEK 293; lane 4: SH-SY5Y; lane 5: MDCK; lane 6: PC12; lane 7: CMT; lane 8: Neuro2A

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.