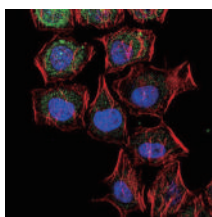
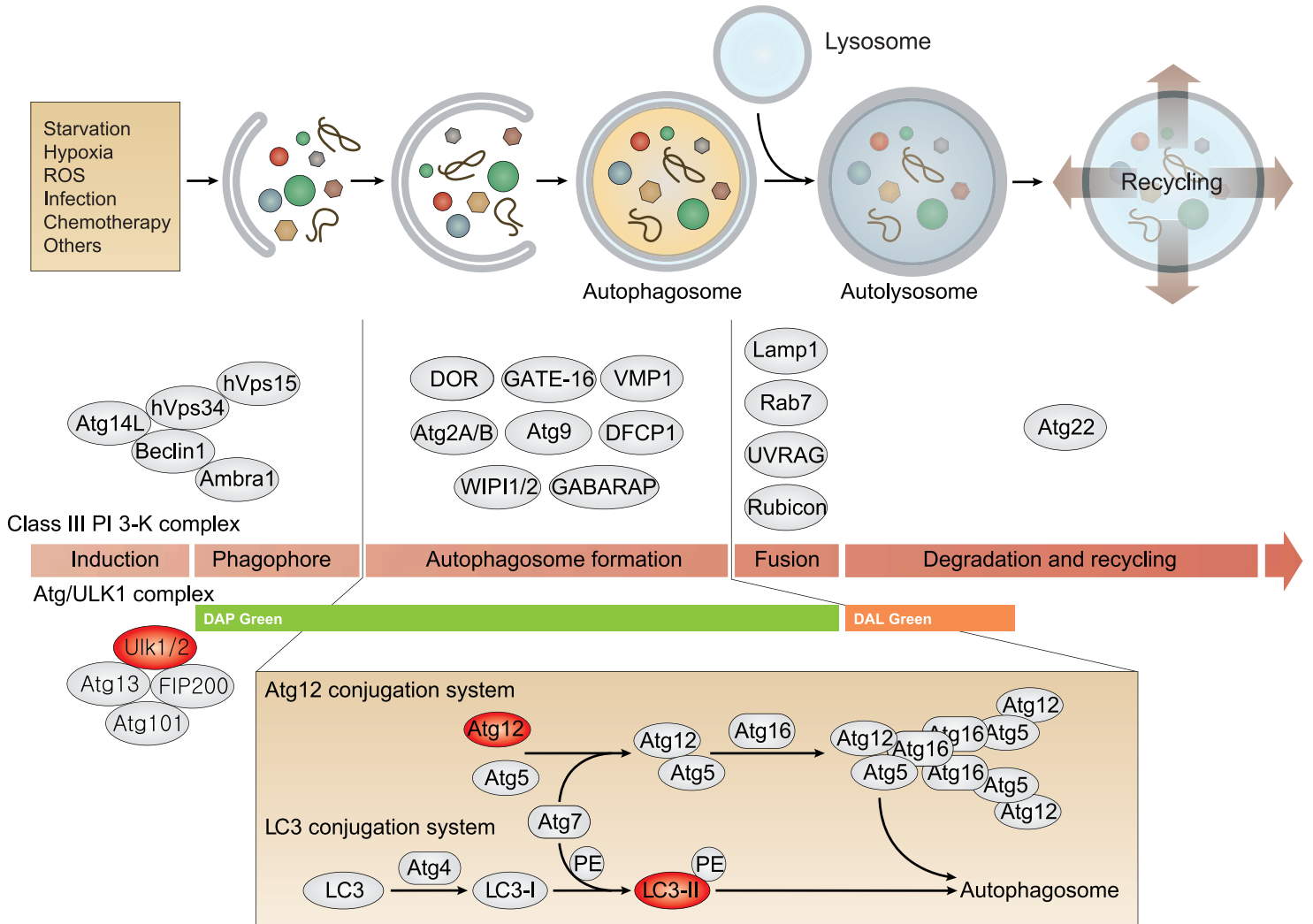
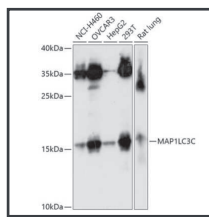


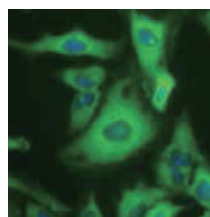
Autophagy **처음부터 끝까지**, NOVUS BIOLOGICALS a biotechne brand



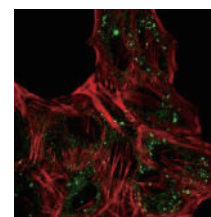
LC3B, NBP00-1384
ICC, HeLa cells



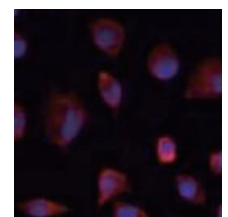
LC3C, NBP3-03280
WB, various cell line



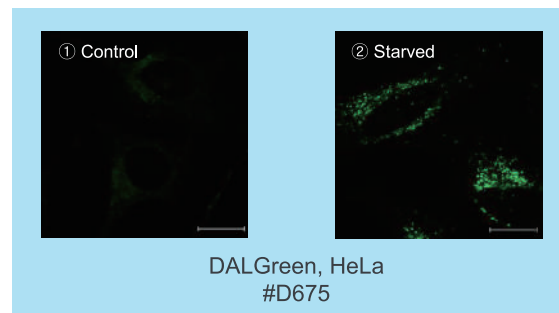
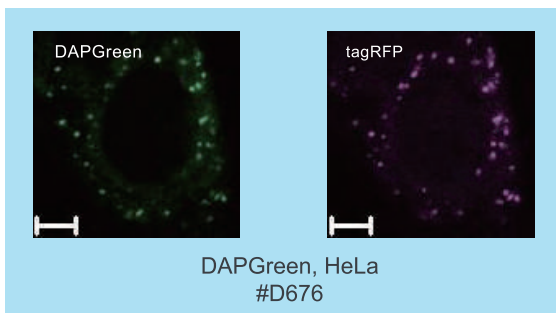
p62/SQSTM1, NBP1-42821
ICC, HeLa cells
(Novus)



AIG12, NBP2-43781
ICC, HeLa cells



ULK1, NBP2-94753
ICC, L929 cells



Related Product

| Target | Catalog # | Species | Applications |
|----------------------|-------------|-----------|----------------------|
| ULK1 | NBP2-24738 | H, M, Pr | WB, IHC |
| ULK2 | NBP1-33136 | H, M | WB, ICC, IHC |
| Phospho-ATG13 (S318) | NBP2-19127 | H | WB, ELISA |
| FIP200 | NB100-77279 | H, M | WB, IP |
| ATG101 | NBP1-88877 | H | WB, IHC |
| ATG14L | NBP2-36445 | H, M, R | WB, ELISA, ICC |
| VPS34 | NB110-87320 | H, M, R + | WB, SW, ICC |
| PIK3R4 (VPS15) | NBP1-30463 | H, M | WB, ICC, IP |
| | NBP3-16612 | H, M, R | WB, ICC |
| Ambra1 | NBP1-07124 | H, M, R | WB, ELISA, ICC, IHC |
| Beclin 1 | NB500-249 | H, M, R | WB, SW, ICC, IHC, IP |
| | NB110-87318 | H, M, R + | WB, SW, ICC, IHC, IP |
| Beclin 2 | NB110-60984 | H | WB, SW |

Autophagy formation Antibodies

| Antibody Target | Catalog # | Species | Applications |
|-----------------|-------------|-----------|-----------------------|
| p62/ SQSTM1 | NBP1-42821 | H, M, R | WB, ICC |
| | NBP1-48320 | H, M, R + | WB, SW, FC, ICC, IHC |
| | NBP1-49956 | H, M, R + | WB, IHC, KO |
| | NBP1-42822 | H, M, R | WB, SW, Flow, ICC, KO |
| GABARAP | NBP1-97416 | M | IHC |
| ATG4B | NBP2-24709 | H, M, R | WB, IHC |
| | MAB5279 | H | WB, IP |
| ATG4A | NBP1-89044 | H, M, R | WB, IHC |
| | NBP5-42518 | H | ELISA, IHC |
| ATG7 | NBP1-76649 | H, M, R + | WB, ELISA, ICC |
| | NBP3-15808 | H, M, R | WB, IHC, IP |
| ATG3 | NBP2-01083 | H, M, R + | WB, FC, ICC, IHC |
| ATG5 | NB110-53818 | H, M, R + | WB, SW, ICC, IHC, IP |
| | NBP3-11775 | H, M, R | WB, FC, ICC, IHC |
| ATG12 | NBP2-15501 | H, M, R | WB, ICC, IHC |
| | NBP1-76860 | H, M, R | WB, ELISA, ICC, IHC |
| ATG16L1 | NB110-60928 | H, M, R + | WB, EM, IHC |
| ATG10 | NBP2-24594 | H, M, R | WB, ICC, IHC |

LC3 Antibodies

| Target | Catalog # | Species | Applications |
|-------------------|-------------|-----------|--------------------------|
| LC3A | NB100-2331 | H, M, R + | WB, SW, FC, ICC, IHC, IP |
| | NBP1-19167 | H, M, R + | WB, SW, FC, ICC, IHC |
| | NBP1-78964 | H, M, R + | WB, ICC, IHC |
| | NBP2-24394 | H, R, Bv | WB, ICC, IHC |
| LC3B | NB100-2220 | H, M, R + | WB, SW, ICC, IHC, IP |
| | NB600-1384 | H, M, R + | WB, SW, EM, FC, ICC, IHC |
| LC3C | NBP3-03280 | H, M, R | WB, ICC, IHC |
| | NBP2-57604 | H | ICC |
| LC3 Antibody Pack | NB910-40435 | H, M | WB, IHC |

Autolysosome Fusion Antibodies

| Target | Catalog # | Species | Applications |
|---------|-------------|-----------|--------------|
| LAMP-1 | NB120-19294 | H, M, R | WB, ICC, IHC |
| Rab7a | NBP1-87174 | H, M, R | WB, ICC, IHC |
| UVRAG | NBP2-24482 | H, M, R + | WB |
| Rubicon | NBP1-30461 | H | WB, IP |

Autophagy Detection Reagent

| Target | Catalog # | Applications |
|----------|-----------|-------------------------|
| DAPGreen | D676 | Autophagosome Detection |
| DAPGreen | D675 | Autolysosome Detection |

Enhancing Our 100% Guarantee



Genetic Strategy Validation



Orthogonal Validation



Independent Antibody Validation



Expression of Tagged Proteins Validation



Biological Strategies Validation

| | Machines available | | | Fluorescent property | Volume/ the number of usable assays | Existing methods | Application |
|----------|------------------------|----------------|-------------------|---|---|--------------------------------|--|
| | Fluorescent Microscope | Flow cytometer | Microplate reader | | | | |
| DAPGreen | ○ | ○ | ○ | Ex. 425-475 Em. 500-560 * For confocal microscope, the sample can be excited at 488nm | 5 nmol x 1 / 35 mm dish x 25 (when used with max. concentration) | LC3-GFP MDC Cyto-ID etc. | phagophore ~Autophagosome formation |
| DALGreen | ○ | ○ | × | Ex. 350-450 Em. 500-560 * For confocal microscope, the sample can be excited at 488nm | 20 nmol x 1 / 35 mm dish x 10 (when used with max. concentration) | LC3-GFP-RFP etc. | Auto lysosome |