Emerging regulation and functions of autophagy

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In the print version of this Review, Table 2 (shown below) was mistakenly omitted. It appears correctly in the HTML and PDF versions.

Table 2 Detailed list of the ATG genes that have been implicated in non-autophagic pathways

| Gene   | Autophagy-independent pathways                                                                 | References |
|--------|-----------------------------------------------------------------------------------------------|------------|
| ULK1   | *Brucella* vacuole biogenesis                                                                 | 80         |
| ATG3   | Mitochondrial homeostasis (conjugated to Atg12)                                                | 38         |
| ATG4B  | Osteoclast bone resorption; phagocytosis; *IFN-α/IFN-β/IFN-γ* antiviral response (conjugated to Atg12); pro-apoptotic role | 54,55,77,78,84,94 |
| ATG5   | Osteoclast bone resorption; phagocytosis; *IFN-α/IFN-β/IFN-γ* antiviral response (conjugated to Atg12); pro-apoptotic role | 54,55,77,78,84,94 |
| Beclin 1 | Phagocytosis; *Brucella* vacuole biogenesis                                                  | 80,95      |
| ATG7   | Osteoclast bone resorption; phagocytosis; *IFN-γ* antiviral response                           | 54,55,78,94 |
| LC3    | Osteoclast bone resorption; tuning of endoplasmic-creticulum-associated degradation; coronavirus infection | 54,55,81,82 |
| ATG12  | Mitochondrial apoptosis; *IFN-α/IFN-β/IFN-γ* antiviral response (conjugated to Atg5); mitochondrial homeostasis (conjugated to Atg3) | 38,77,78,83 |
| ATG14  | *Brucella* vacuole biogenesis                                                                | 80         |
| ATG16  | *IFN-γ* antiviral response                                                                     | 78         |
| p150   | *Brucella* vacuole biogenesis                                                                | 80         |
| PtdIns3PKC3 | Phagocytosis; *Brucella* vacuole biogenesis                                              | 80,94      |