### [KO Validated] Beclin 1 Rabbit pAb

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>A7353</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>Polyclonal Antibodies</td>
</tr>
<tr>
<td>Applications</td>
<td>WB, IHC, IF, IP</td>
</tr>
<tr>
<td>Cross-reactivity</td>
<td>Human, Mouse, Rat</td>
</tr>
<tr>
<td>Observed MW</td>
<td>60kDa</td>
</tr>
<tr>
<td>Calculated MW</td>
<td>51kDa</td>
</tr>
</tbody>
</table>

#### Immunogen Information
- **Immunogen**: Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human Beclin 1 (NP_003757.1).
- **Gene ID**: 8678
- **Swiss prot**: Q14457
- **Synonyms**: ATG6; VPS30; beclin1; Beclin 1; BECN1; beclin-1

#### Product information
- **Source**: Rabbit
- **Isotype**: IgG
- **Purification method**: Affinity purification
- **Storage**: Store at -20°C. Avoid freeze/thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

#### Background
This gene encodes a protein that regulates autophagy, a catabolic process of degradation induced by starvation. The encoded protein is a component of the phosphatidylinositol-3-kinase (PI3K) complex which mediates vesicle-trafficking processes. This protein is thought to play a role in multiple cellular processes, including tumorigenesis, neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants.

#### Recommended Dilutions
- **WB**: 1:500 - 1:2000
- **IHC**: 1:50 - 1:200
- **IF**: 1:50 - 1:200
- **IP**: 1:50 - 1:100

#### Western blot analysis of extracts of various cell lines, using Beclin 1 antibody (A7353) at 1:1000 dilution.

#### Immunohistochemistry of paraffin-embedded human stomach using Beclin 1 antibody (A7353) at dilution of 1:100 (40x lens).

#### Immunofluorescence analysis of HeLa cells using Beclin 1 antibody (A7353) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.
Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug Beclin 1 antibody (A7353). Western blot was performed from the immunoprecipitate using Beclin 1 antibody (A7353) at a dilution of 1:1000.