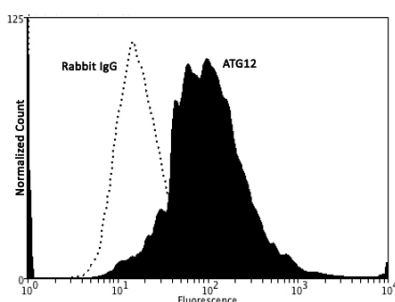


## Rabbit antibody to ATG12: IgG

<b>Catalogue No.:</b>	R-137-500
<b>Description:</b>	FUNCTION: Required for autophagy. SUBUNIT: Conjugated to ATG5. SUBCELLULAR LOCATION: Cytoplasm. ALTERNATIVE PRODUCTS: 2 named isoforms produced by alternative splicing. TISSUE SPECIFICITY: Ubiquitous. SIMILARITY: Belongs to the ATG12 family.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	500 ug
<b>Antigen:</b>	A synthetic peptide corresponding to the N-terminal of human ATG12 protein has been used as the immunogen. No immunogenic carrier protein was conjugated to the immunogen. Instead, Adjuvane B (see the Adjuvants in biosensis' product list) has been used to orchestrate/boost the immune response.
<b>Other Names:</b>	Autophagy-related protein 12; APG12-like; ATG12; APG12; APG12L
<b>Accession:</b>	ATG12_HUMAN
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Protein G purified IgG
<b>Applications:</b>	IHC, immunofluorescence, WB (1-5 ug/mL working concentration), Flow Cytometry (2ug/10 <sup>6</sup> cells). Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	IHC and WB confirmed the specificity for ATG12.
<b>Cross-reactivity:</b>	Human, rat
<b>Form:</b>	Lyophilised
<b>Reconstitution:</b>	Reconstitute in 500 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
<b>Expiry Date:</b>	12 months after purchase
<b>References:</b>	<ol style="list-style-type: none"> <li>1. Mizushima, N. et al. J. Biol. Chem. 273(51):33889-33892 (1998).</li> <li>2. Tanida, I. et al. Biochem. Biophys. Res. Commun. 296(5):1164-1170 (2002).</li> <li>3. Tanida, I. et al. J. Biol. Chem. 277(16):13739-13744 (2002).</li> </ol>



Fixing and Permeabilization of cells: Absolute methanol (10 minutes in ice) and 0.1% Tween-20 in PBS, Blocking: 15% Horse serum, Primary antibody: Rabbit Polyclonal antibody to ATG12 (cat # R-137-500, 2µg per ~10<sup>6</sup> cells) for 30 minutes at room temperature, Secondary antibody: Donkey anti-rabbit PE labeled secondary antibody (1:100 fold dilution) with incubation for 20 minutes in dark at room temperature. Normal Rabbit Polyclonal IgG was used as negative control under same conditions (black dashed). Flow cytometry data and results were generated using Orflo Moxiflow<sup>TM</sup> instrument and protocols. The data demonstrates specific staining of ATG12 expressed in human neuroblastoma SH-SY5Y cell line

FOR RESEARCH USE ONLY

## Rabbit antibody to ATG12: IgG

```
using cat # R-137-500.
/* Font Definitions */
@font-face
{font-family:"&#65325;&#65331; &#26126;&#26397;";
mso-font-charset:78;
mso-generic-font-family:auto;
mso-font-pitch:variable;
mso-font-signature:1 134676480 16 0 131072 0;}
@font-face
{font-family:Verdana;
panose-1:2 11 6 4 3 5 4 4 2 4;
mso-font-charset:0;
mso-generic-font-family:auto;
mso-font-pitch:variable;
mso-font-signature:647 0 0 0 415 0;}
@font-face
{font-family:"Cambria Math";
panose-1:2 4 5 3 5 4 6 3 2 4;
mso-font-charset:0;
mso-generic-font-family:auto;
mso-font-pitch:variable;
mso-font-signature:-536870145 1107305727 0 0 415 0;}
/* Style Definitions */
p.MsoNormal, li.MsoNormal, div.MsoNormal
{mso-style-unhide:no;
mso-style-qformat:yes;
mso-style-parent:"";
margin:0cm;
margin-bottom:.0001pt;
mso-pagination:widow-orphan;
font-size:12.0pt;
font-family:"Times New Roman";
mso-fareast-font-family:"&#65325;&#65331; &#26126;&#26397;";
mso-fareast-theme-font:minor-fareast;}
.MsoChpDefault
{mso-style-type:export-only;
mso-default-props:yes;
font-size:10.0pt;
mso-ansi-font-size:10.0pt;
mso-bidi-font-size:10.0pt;
mso-fareast-font-family:"&#65325;&#65331; &#26126;&#26397;";
mso-fareast-theme-font:minor-fareast;
mso-fareast-language:JA;}
@page WordSection1
{size:612.0pt 792.0pt;
margin:72.0pt 90.0pt 72.0pt 90.0pt;
mso-header-margin:36.0pt;
mso-footer-margin:36.0pt;
mso-paper-source:0;}
div.WordSection1
{page:WordSection1;}
-->
```

---

FOR RESEARCH USE ONLY



## Rabbit antibody to ATG12: IgG

biosensis

---

FOR RESEARCH USE ONLY

---

51 West Thebarton Road • Thebarton • South Australia 5031  
Telephone + 61(0)8 8352 7711 • Email [sales@biosensis.com](mailto:sales@biosensis.com) • [www.biosensis.com](http://www.biosensis.com)