## Ic3A/B Ab

<table>
<thead>
<tr>
<th>Cat.#: AF5402</th>
<th>Conc.: 1mg/ml</th>
<th>Mol.Wt.: 14.16 kDa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size: 100ul,200ul</td>
<td>Source: Rabbit</td>
<td>Clonality: Polyclonal</td>
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**Application:**
WB 1:500-1:2000, IHC 1:50-1:200, IF 1:100-1:500

**Reactivity:**
Human, Mouse, Rat

**Purification:**
The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

**Specificity:**
Ic3A/B detects endogenous levels of total Ic3A/B.

**Immunogen:**
A synthesized peptide derived from human Ic3A/B.

**Uniprot:**
Q9GZQ8

**Description:**
Ubiquitin-like modifier involved in formation of autophagosomal vacuoles (autophagosomes). Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production.

**Subcellular Location:**
Cytoplasm > cytoskeleton. Endomembrane system. Cytoplasmic vesicle > autophagosome membrane. LC3-II binds to the autophagic membranes.

**Tissue Specificity:**
Most abundant in heart, brain, skeletal muscle and testis. Little expression observed in liver.

**Similarity:**
Belongs to the ATG8 family.

**Storage Condition and Buffer:**
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20°C. Stable for 12 months from date of receipt.

This image is a courtesy of anonymous review.
AF5402 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

AF5402 staining lovo cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.