

Anti-ATG16L1 Rabbit pAb



WL02404

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

| | | |
|------------------------------|---|--------------|
| Product name | Anti-ATG16L1 Rabbit pAb | |
| Source | Rabbit | |
| Species reactivity | Human, Mouse, Rat | |
| Tested applications | WB | 1:500-1:1000 |
| | IHC | 1:200 |
| Cellular localization | Secreted and Cell membrane | |
| Pack size | 50/100/200/500/1000µl | |
| Storage | Store at -20°C. Avoid freeze/thaw cycles. | |
| Storage buffer | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide | |

General Information

Background Autophagy is generally activated by conditions of nutrient deprivation but has also been associated with a number of physiological processes including development, differentiation, neurodegeneration, infection, and cancer. Mammalian Atg16L1, containing an amino-terminal coiled coil domain and carboxyl-terminal WD-repeats, has multiple isoforms produced by alternative splicing. Atg16L1 provides a functional link between the two crucial ubiquitin-like conjugation systems of autophagy. Atg16L1 binds Atg5 of the Atg12-Atg5 conjugate forming an 800 kDa multimeric complex. Hypomorphic Atg16L1 mice also show defects in autophagy and abnormalities in intestinal Paneth cell function similar to that found in Crohn's disease.

Immunogen Polyclonal antibody is produced by immunizing animals with a synthetic peptide of ATG16L1.

Purification Polyclonal antibody was purified by immunogen affinity chromatography.

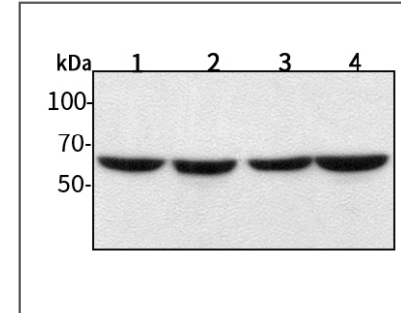
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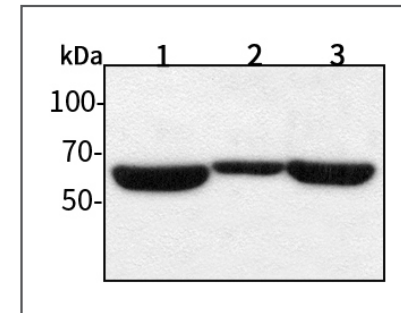
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Product Images



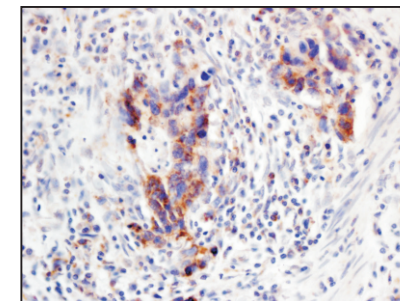
Western blot-Anti-ATG16L1 pAb

Lane 1: Human HeLa cell lysate
 Lane 2: Human BGC-823 cell lysate
 Lane 3: Human MGC-803 cell lysate
 Lane 4: Human SGC-7901 lysate
 All lanes: Anti-ATG16L1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 68 kDa
 Observed band size: 68 kDa



Western blot-Anti-ATG16L1 pAb

Lane 1: Mouse kidney tissue lysate
 Lane 2: Mouse heart tissue lysate
 Lane 3: Rat liver tissue lysate
 All lanes: Anti-ATG16L1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 68 kDa
 Observed band size: 68 kDa



Immunohistochemistry-Anti-ATG16L1 pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-ATG16L1 Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

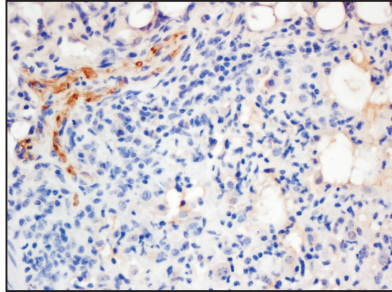
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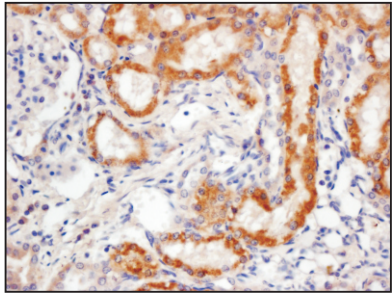
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Product Information



Immunohistochemistry-Anti-ATG16L1 pAb

Immunohistochemical analysis of paraffin-embedded mouse lung cancer using anti-ATG16L1 Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-ATG16L1 pAb

Immunohistochemical analysis of paraffin-embedded rat kidney using anti-ATG16L1 Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0