Product Datasheet

ATG12 Antibody

Catalog No: #48203

Package Size: #48203-1 50ul #48203-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

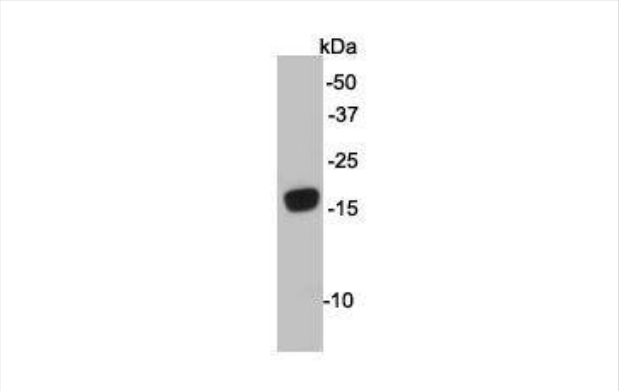
Description

Product Name	ATG12 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	peptide
Other Names	APG12-like antibody APG12L antibody ATG12 antibody ATG12 autophagy related 12 homolog (S. cerevisiae) antibody ATG12 autophagy related 12 homolog antibody ATG12_HUMAN antibody Autophagy 12 antibody Autophagy-related protein 12 antibody FBR93 antibody HAPG12 antibody Ubiquitin-like protein ATG12 antibody
Accession No.	Swiss-Prot#:O94817
Uniprot	O94817
GeneID	9140;
Calculated MW	15 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

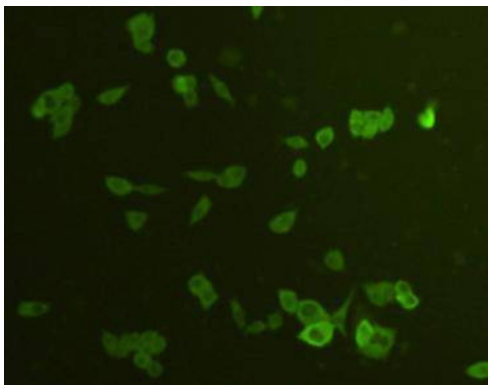
Application Details

WB: 1:500-1:1000ICC: 1:200

Images



Western blot analysis on rat kidney lysates using anti-ATG12 rabbit polyclonal antibodies.



ICC staining ATG12 in HCT116 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Autophagy-related protein 12 is a protein that in humans is encoded by the ATG12 gene. Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy. Autophagy requires the covalent attachment of the protein Atg12 to ATG5 through a ubiquitin-like conjugation system. The Atg12-Atg5 conjugate then promotes the conjugation of ATG8 to the lipid phosphatidylethanolamine. Atg12 was found to be involved in apoptosis. This protein promotes apoptosis through an interaction with anti-apoptotic members of the Bcl-2 family.

References

Note: This product is for in vitro research use only