

ATG4D Rabbit Polyclonal Antibody

Catalog No: #55342

Package Size: #55342-1 50ul #55342-2 100ul

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

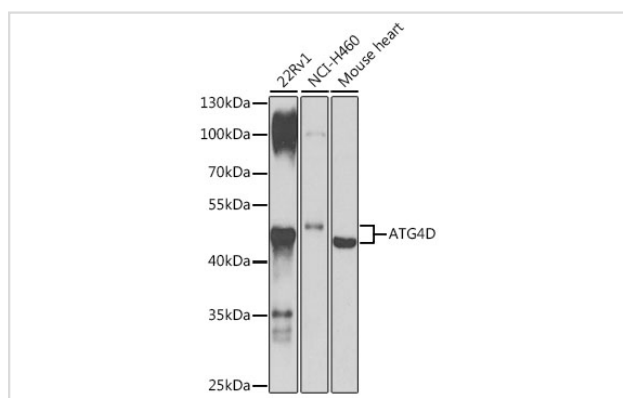
Description

Product Name	ATG4D Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human ATG4D (NP_116274.3).
Conjugates	Unconjugated
Other Names	ATG4D;APG4-D;APG4D;AUTL4
Accession No.	Swiss Prot:Q86TL0GeneID:84971
Calculated MW	16kDa/52kDa
SDS-PAGE MW	53kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

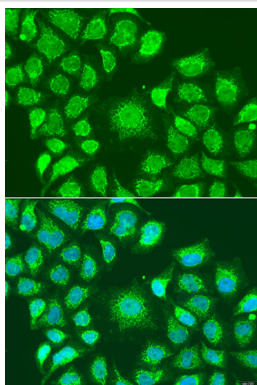
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using ATG4D at 1:1000 dilution.



Immunofluorescence analysis of U2OS cells using ATG4D at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene belongs to the autophagy-related protein 4 (Atg4) family of C54 endopeptidases. Members of this family encode proteins that play a role in the biogenesis of autophagosomes, which sequester the cytosol and organelles for degradation by lysosomes. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.