

Anti-ATG4D Polyclonal Antibody

Cat: AC50410

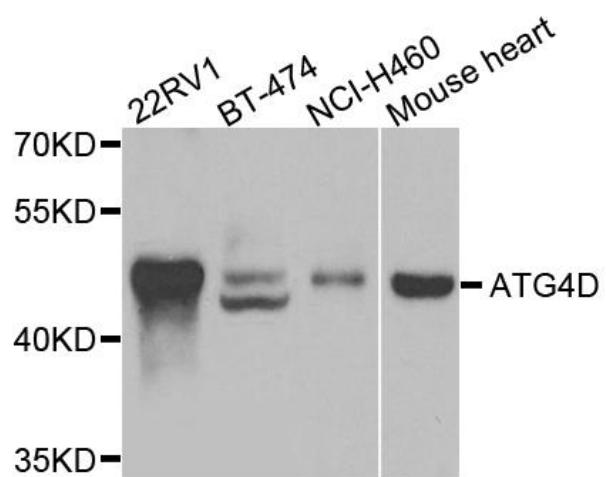
Summary:

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| 【Product name】 : Anti-ATG4D antibody | 【Source】 : Rabbit |
| 【Isotype】 : IgG | 【Species reactivity】 : Human Mouse Rat |
| 【Swiss Prot】 : Q86TL0 | 【Gene ID】 : 84971 |
| 【Calculated】 : MW:53/16kDa | 【Observed】 : MW:48kDa |
| 【Purification】 : Affinity purification | |
| 【Tested applications】 : WB IF | |
| 【Recommended dilution】 : WB 1:500-2000. IF 1:50-200. | |
| 【WB Positive sample】 : 22RV1 BT-474 NCI-H460 and Mouse heart | |
| 【Subcellular location】 : Cytoplasm Mitochondrion matrix | |
| 【Immunogen】 : Recombinant protein of human ATG4D | |
| 【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C | |

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.

Verified picture



Western blot analysis with ATG4D antibody
diluted at 1:1000