

Atg4D Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP00718

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen Synthesized peptide derived from the Internal region of human Atg4D.

Mol wt 52922

Species reactivity Human

Clonality Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name Atg4D Antibody

Synonyms ATG4D; APG4D; AUTL4; Cysteine protease ATG4D; AUT-like 4 cysteine endopeptidase; Autophagin-4;

Autophagy-related cysteine endopeptidase 4; Autophagy-related protein 4 homolog D

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. ATG4D (autophagy related 4D cysteine peptidase) 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.

Recommended Dilution

WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 5000

Not yet tested in other applications.

Images



Western Blot analysis of Colo using Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year