

# PRODUCT DATA SHEET

Bioworld Technology,Inc.

# ATG4D polyclonal antibody

Catalog: BS70951 Host: Rabbit Reactivity: Human, Mouse, Rat

#### **BackGround:**

Atg4D (autophagy-related gene 4D), also known as APG4D or AUTL4, is a 474 amino acid protein that localizes to the cytoplasm and belongs to the C-54 family of cysteine proteases. Expressed predominately in skeletal muscle, but also present in testis, Atg4D functions as a cysteine protease that is required for autophagy and functions to specifically cleave the C-terminal region of target proteins, thereby allowing the target proteins to bind to autophagosomes. The enzymatic activity of Atg4D is inhibited by Nethylmaleimide, a thiol reactive compound that is capable of modifying cystine residues in proteins and peptides.

#### **Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## **Molecular Weight:**

~ 53 kDa

## **Swiss-Prot:**

Q86TL0

## **Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### **Applications:**

WB 1:500 - 1:2000

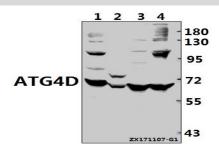
## Storage&Stability:

Store at  $4 \, \mathbb{C}$  short term. Aliquot and store at  $-20 \, \mathbb{C}$  long term. Avoid freeze-thaw cycles.

## **Specificity:**

ATG4D polyclonal antibody detects endogenous levels of ATG4D protein.

#### **DATA:**



Western blot (WB) analysis of ATG4D pAb at 1:1000 dilution

Lane1:The Lung tissue lysate of Mouse(40ug)

Lane2:The Lung tissue lysate of Rat(40ug)

Lane3:H1792 whole cell lysate(40ug)

Lane4:SGC7901 whole cell lysate(40ug)

#### Note:

For research use only, not for use in diagnostic procedure.

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