

## APG7 Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05821
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human APG7
<b>Mol wt</b>	77330
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	APG7
<b>Synonyms</b>	APG7; Ubiquitin-like modifier-activating enzyme ATG7; ATG12-activating enzyme E1 ATG7; Autophagy-related protein 7; APG7-like; hAGP7; Ubiquitin-activating enzyme E1-like protein

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

### Background

This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic to vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions| including axon membrane trafficking| axonal homeostasis| mitophagy| adipose differentiation| and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants.

### Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year

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