

Product datasheet for **TA322400**

ATG4B Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Hela cells
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 5-20 amino acids of Human Autophagy-related protein 4 homolog B
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43 kDa
Gene Name:	autophagy related 4B cysteine peptidase
Database Link:	NP_037457 Entrez Gene 66615 Mouse Entrez Gene 23192 Human Q9Y4P1



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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 encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants; encoding different isoforms; have been characterized.

Synonyms:

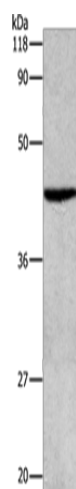
APG4B; AURL1

Protein Families:

Protease

Protein Pathways:

Regulation of autophagy

Product images:

Gel: 8%SDS-PAGE

Lysate: 40 µg

Lane: HeLa cells

Primary antibody: TA322400 (ATG4B Antibody) at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 2 minutes