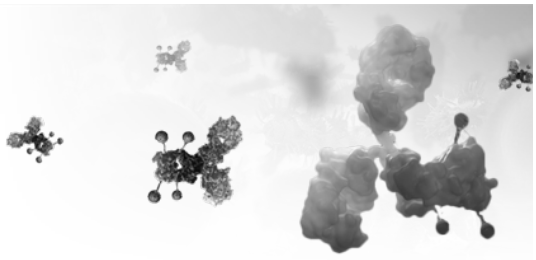

Human ATG4D blocking peptide (CDBP0522)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ATG4D antibody
Antigen Description	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.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ATG4D ATG4 autophagy related 4 homolog D (S. cerevisiae) [Homo sapiens]
Official Symbol	ATG4D

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Synonyms	ATG4D; ATG4 autophagy related 4 homolog D (S. cerevisiae); APG4 autophagy 4 homolog D (S. cerevisiae) , APG4D, AUT like 4, cysteine endopeptidase (S. cerevisiae) , AUTL4; cysteine protease ATG4D; APG4 D; autophagin-4; APG4 autophagy 4 homolog D; AUT-like 4 cysteine endopeptidase; AUT-like 4, cysteine endopeptidase; autophagy-related protein 4 homolog D; cysteine protease involved in autophagy; autophagy-related cysteine endopeptidase 4; APG4D; AUTL4; APG4-D;
Entrez Gene ID	84971
mRNA Refseq	NM_032885
Protein Refseq	NP_116274
UniProt ID	Q86TL0
Chromosome Location	19p13.2
Pathway	Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem;
Function	cysteine-type endopeptidase activity; cysteine-type peptidase activity; peptidase activity;

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