

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ATG4B/Apg4b in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human ATG4A is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 515803
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human ATG4B/Apg4b Asp2-Leu393 (predicted) Accession # Q9Y4P1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human ATG4B
Immunoprecipitation	25 µg/mL	Cell lysates spiked with Recombinant Human ATG4B, see our available Western blot detection antibodies

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Autophagy related protein 4 homolog B (ATG4B), also known as autophagin 1 and Apg4b, is a cytosolic cysteine protease that is involved in autophagy, a biological process in which endogenous protein and damaged organelles are destroyed. Human ATG4B shares 98% and 95% amino acid sequence identity with chimpanzee and mouse ATG4B, respectively.