Human ATG4B Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 515803

Catalog Number: FAB5279G

100 µg

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	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human ATG4B/Apg4b Asp2-Leu393 (predicted) Accession # Q9Y4P1
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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