

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human ATG4A in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human ATG4B is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 514914
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human ATG4A isoform 1 Glu2-Val398 Accession # Q8WYN0
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunocytochemistry	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 A (ATG4A), also known as autophagin 2, is a 50 kDa cytosolic cysteine protease mostly found in skeletal muscle and brain. It belongs to the autophagin protein family which is involved in autophagy, a biological process in which endogenous proteins and damaged organelles are destroyed. Human ATG4A shares 100%, 94% and 93% identity with that of chimpanzee, dog and mouse.

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