

ATG7 Antibody
Catalog # ASM10499**Specification****ATG7 Antibody - Product Information**

Application	WB, ICC
Primary Accession	O95352
Other Accession	NP_001129503.2
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Biotin

Description

Rabbit Anti-Human ATG7 Polyclonal

Target/Specificity

Detects 77.9 kDa.

Other Names

Autophagy 7S. cerevisiae, homolog of Antibody, APG7 like Antibody, ATG7_HUMAN Antibody, hAGP7 Antibody, Ubiquitin-like modifier-activating enzyme ATG7 Antibody, Autophagy related protein 7 Antibody, Autophagy-related protein 7 Antibody, GSA 7 Antibody, APG7, S. cerevisiae, homolog of Antibody, Ubiquitin-activating enzyme E1-like protein Antibody, Autophagy-related 7 (yeast) Antibody, APG7 autophagy 7 like Antibody, 1810013K23Rik Antibody, APG7 autophagy 7-like (S. cerevisiae) Antibody, ATG12-activating enzyme E1 ATG7 Antibody, ATG7 autophagy related 7 homolog Antibody, Atg7l Antibody, Ubiquitin activating enzyme E1 like protein Antibody, Apg 7 Antibody, APG7L Antibody, DKFZp434N0735 Antibody, ATG 7 Antibody, APG7-like Antibody, GSA7 Antibody, ATG7 autophagy related 7 homolog (S. cerevisiae) Antibody, ATG7 Antibody

Immunogen

Synthetic peptide from the N-terminal of Human ATG7

Purification

Peptide Affinity Purified

Storage **-20°C****Storage Buffer**

PBS, 50% glycerol, 0.09% sodium azide

Shipping Temperature **Blue Ice or 4°C****Certificate of Analysis**

A 1:1000 dilution of SPC-610 was sufficient for detection of ATG7 in 15 µg of human HeLa cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

Cellular Localization

Cytoplasm | Preautophagosomal Structure

ATG7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ATG7 Antibody - Images

ATG7 Antibody - Background

ATG7 in conjunction with ATG10, mediates the formation of the autophagosome when ATG12 is covalently bound to ATG5 and targets to autophagosome vesicles. It also activates ATG8, and is crucial for amino acid supply in neonates.

ATG7 Antibody - References

1. Mizushima N., et al. (1998) J Biol Chem. 273: 33889-92.
2. Mizushima N., et al. (1998) Nature. 395: 395-8.
3. Suzuki K., et al. (2001) EMBO J. 20: 5971-81.
4. Tanida I., et al. (1999) Mol Biol Cell. 10: 1367-79.
5. Shintani T., et al. (1999) EMBO J. 18: 5234-41.