





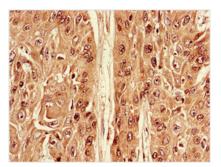
ATG7 Antibody

Product Code CSB-PA002294LA01HU Storage Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. Uniprot No. O95352 Immunogen Recombinant Human Ubiquitin-like modifier-activating enzyme ATG7 protein (386-676AA) Raised In Rabbit Species Reactivity Human Tested Applications ELISA, WB, IHC, IF; Recommended dilution: WB:1:200-1:5000, IHC:1:20-1:200, IF:1:50-1:200 Relevance E1-like activating enzyme involved in the 2 ubiquitin-like systems required for cytoplasm to vacuole transport (Cvr) and autophagy. Activates ATG12 for its conjugation with ATG5 as well as the ATG6 family proteins for their conjugation with ATG5 as well as the ATG6 family proteins for their conjugation with a Cvr vesicles and autophagosomes membranes. Required for autophagic death induced by caspase-8 inhibition. Required for mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Modulates p53/TP53 activity to regulate cell cycle and survival during metabolic stress. Plays also a key role in the maintenance of hematopoietic stem cells, the formation of Paneth cell granules. as well as in adipose differentiation. Form Liquid Conjugate Non-conjugated Storage Buffer Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 Purification Method >95%, Protein G purified <th></th> <th></th>		
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Research Area Cell Biology Target Names ATG7	Alias	ATG7) (Autophagy-related protein 7) (APG7-like) (hAGP7) (Ubiquitin-activating
Target Names ATG7	Species	Human
	Research Area	Cell Biology
Image	Target Names	ATG7
	Image	

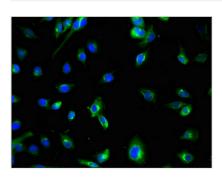




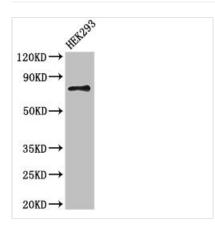




Immunohistochemistry of paraffin-embedded human cervical cancer using CSB-PA002294LA01HU at dilution of 1:100



Immunofluorescent analysis of U251 cells using CSB-PA002294LA01HU at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blot

Positive WB detected in: HEK293 whole cell

All lanes:ATG7 antibody at 3.5μg/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 78, 76, 69 kDa

Observed band size: 78 kDa