

Anti-ATG7 monoclonal antibody, clone FQS7362 (DCABH-2764)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Apg7
Antigen Description	Functions as an E1 enzyme essential for multisubstrates such as ATG8-like proteins and ATG12. Forms intermediate conjugates with ATG8-like proteins (GABARAP, GABARAPL1, GABARAPL2 or MAP1LC3A). PE-conjugation to ATG8-like proteins is essential for autophagy. Also acts as an E1 enzyme for ATG12 conjugation to ATG5 and ATG3.
Immunogen	Synthetic peptide corresponding to residues in the Human Apg7 protein (UniProt O95352).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS7362
Conjugate	Unconjugated
Applications	WB, ICC/IF
Positive Control	293T, HepG2 and Jurkat cell lysates; HeLa cells
Format	Liquid
Size	100 µl
Buffer	pH: 7.40; Preservative: 0.01% Sodium azide; Constituents: 50% Glycerol, 0.05% BSA
Storage	Store at -20°C. Stable for 12 months at -20°C

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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GENE INFORMATION

Gene Name	ATG7 ATG7 autophagy related 7 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	ATG7
Synonyms	ATG7; ATG7 autophagy related 7 homolog (S. cerevisiae); APG7 autophagy 7 like (S. cerevisiae) , APG7L; ubiquitin-like modifier-activating enzyme ATG7; DKFZp434N0735; GSA7; hAGP7; autophagy-related protein 7; ATG12-activating enzyme E1 ATG7; ubiquitin acti
Entrez Gene ID	10533
Protein Refseq	NP_001129503
UniProt ID	O95352
Chromosome Location	3p25.3-p25.2
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Regulation of autophagy, organism-specific biosystem;
Function	APG12 activating enzyme activity; catalytic activity; nucleotide binding; protein binding; protein homodimerization activity; ubiquitin activating enzyme activity;

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