REGULATION OF AUTOPHAGY MAPK signaling pathway Autophagy induction Intrace llular pathogens K08329 poliovirus mTOR signaling pathway Insulin signaling pathway K04526 K08269 K08331 3A,2C K08330 K08332 K05414 K04687 K08334 Vesicle nucleation Nutrient/growth factor deprivation, K08335.. hypôxia. • Wortmannin K08333 K00914 3-Methyladenine \mathbf{O} PΙ PI3P ATP-AMP ATG12-ATG5.ATG16 K08338.. K08340.. multimeric complex E1 E2 Vesicle expansion and completion ATP--AMP PΕ E1 E2 Apoptosis SNARE interactions Antigen processing and presentation Adaptation to starvation, elimination of aberrant structures, prevent aging, defense against pathogens, defense against tumors. Docking and fusion in vesicular transport

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