عنوان فارسی مقاله:
متابولیزم (سوخت وساز) چربی خارج سلولی تحت تاثیر بقای سلول های سرطان تخمدان

عنوان انگلیسی مقاله:
Extracellular lipid metabolism influences the survival of ovarian cancer cells

توجه!
این فایل تنها قسمتی از ترجمه میباشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک کنید.
4. Discussion

In the present study, we have found that five different types of human ovarian cancer cells show diverse expression profiles of LPA signaling-related genes, which include LPA-producing enzymes, LPA receptors, and LPA-degrading enzymes. However, LPA signaling might not play an important role in cell survival of HNOA cells. Rather, fatty acids cleaved from LPA by lysophospholipase activities seem to be involved in HNOA cell survival. In addition to lysophospholipids, monoacylglycerol also showed the survival effects. Thus, it is also possible that lysophospholipids are first hydrolyzed by PPAP2 expressed in HNOA cells, then the resultant monoacylglycerols are hydrolyzed by lysolipase. In any case, these findings provide a new view that lysophospholipase or lysolipase-mediated cleavage of lysolipids to fatty acids would not be a simple mechanism that digests lysolipids to terminate signaling, but a novel, extracellular lipid signaling machinery that regulates cellular functions, as proposed for ATX-mediated LPA signaling [5].