



SDI Review Form 1.6

Journal Name:	Journal of Advances in Medicine and Medical Research
Manuscript Number:	Ms_JAMMR_41815
Title of the Manuscript:	The expression of Human Epididymis Protein 4a (HE4) in the normal gastric epithelia and its role in the development of intestinal metaplasia and gastric cancer
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>This is very interesting paper about new biomarker for gastric cancer. HE4 was elevated at all stage of the endometrial cancer by examining the levels of the HE4 in the pre-operative serum samples from surgically staged patients with endometrioid adenocarcinoma of the uterus. Recently, the HE4 has been found to be differently expressed in various cancers such as ovarian cancer, endometrial cancer, lung cancer, breast cancer. Author concluded that pT1 (less invasive) tumors as seen in our study would have higher HE\$ expression compared to more invasive tumors.</p> <p>Silencing of HE4 expression inhibits cell proliferation and migration and enhances cell apoptosis. Subsequent studies reveal that the Src, Akt, and Erk1/2 signaling may be involved with pro-survival and anti-apoptotic effects of the HE4 on gastric cancer cells. Yun-Di Guo reported that a total of 250 gastric carcinomas were consecutively collected from surgical resection at Shanghai Cancer Center between 1 January 2005 and 31 December 2008. (The human epididymis protein 4 acts as a prognostic factor and promotes progression of gastric cancer Tumour Biol. 2015 Apr; 36(4): 2457–2464.) Gastric carcinoma tissue arrays were first incubated using the antibody for HE4. The sections were immunostained with primary anti-HE4 (1:50 Abcam) and a universal biotinylated secondary antibody was developed. Scoring was conducted according to the ratio and intensity of positive-staining cells: 0–10 % scored 0, 11–30 % scored 1, 31–60 % scored 2, and 61–100 % scored 3. Then scored 0–1 was designated as low expression and scored 2–3 as high expression.</p> <p>In their study, they ascertained that the HE4 was significantly upregulated in human gastric cancer and correlated with Lauren classification, TNM stage, and tumor size, and the overall survival rate of patients without HE4 expression was significantly higher than the rate of those with HE4 overexpression. They concluded that HE4 might be a new therapeutic value marker for gastric cancer.</p> <p>But author concluded that pT1 (less invasive) tumors as seen in author's study would have higher HE4 expression compared to more invasive tumors. Please comment me the difference between author's data and Yun-Di Guo 's data Tumour Biol. 2015 Apr; 36(4): 2457–2464.)</p>	
Minor REVISION comments		
Optional/General comments	<p>This paper is very interesting paper about biomarker (HE4) for gastric cancer. This paper will be accepted after I received revised paper for my comment.</p>	

Reviewer Details:

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