



Olfactomedin-4 is a candidate biomarker of solid gastric, colorectal, pancreatic, head and neck, and prostate cancers

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Titre	Olfactomedin-4 is a candidate biomarker of solid gastric, colorectal, pancreatic, head and neck, and prostate cancers
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Résumé en anglais	<p>Olfactomedin-4 (OLFM4, OLM4) is a 72 kDa secreted glycoprotein belonging to the olfactomedin family. The OLFM4 gene expression is regulated by the transcription factors NF-kappa B and AP-1, and the OLM4 functions are poorly understood. OLM4 has been described as being able to interact with cell surface proteins such as lectins and concanavalin-A suggesting that one function of OLM4 is to regulate cell adhesion and migration. OLM4 is a marker for intestinal stem cells and is expressed at the bottom of the intestinal crypts. Expression of OLM4 during tumor development showed that OLM4 expression is increased in the early stages of tumor initiation. As OLM4 is a secreted protein, it is a prime candidate for biomarker research for tumor detection or progression. Levels of circulating OLM4 were significantly higher in patients with gastric, colorectal, and pancreatic cancers than in healthy subjects.</p>
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Liens

[1] <http://okina.univ-angers.fr/catherine.guette/publications>

[2] <http://okina.univ-angers.fr/i.valo/publications>

- [3] <http://okina.univ-angers.fr/a.vetillard/publications>
- [4] <http://okina.univ-angers.fr/olivier.coqueret/publications>
- [5] [http://okina.univ-angers.fr/publications?f\[keyword\]=9351](http://okina.univ-angers.fr/publications?f[keyword]=9351)
- [6] [http://okina.univ-angers.fr/publications?f\[keyword\]=1382](http://okina.univ-angers.fr/publications?f[keyword]=1382)
- [7] [http://okina.univ-angers.fr/publications?f\[keyword\]=14902](http://okina.univ-angers.fr/publications?f[keyword]=14902)
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