

Research advances of vasoactive intestinal peptide in the pathogenesis of ulcerative colitis by regulating interleukin-10 expression in Bregs

Xiong Sun, Yao Huang, Ya-li Zhang, Dan Qiao, Yan-Cheng Dai

Abstract

Ulcerative colitis (UC) is a chronic relapsed intestinal disease with an increasing incidence around the world. The pathophysiology of UC remains unclear. However, the role of the interaction between the enteric nervous system and the immune system in the pathogenesis of UC has been the focus of attention, and has become a research hotspot. Vasoactive intestinal peptide (VIP) is a kind of endogenous neuropeptide with more regulatory activity on intestinal immunity. It has been shown to regulate immune disorders in

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Vasoactive intestinal peptide (VIP), a gut **peptide** hormone originally reported as a vasodilator in 1970, has multiple physiological and pathological effects on development, growth, and the control of neuronal, epithelial, and endocrine cell functions that in turn regulate ion secretion, nutrient absorption, gut motility, glycemic control, carcinogenesis, immune responses, and circadian ...

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Vasoactive Intestinal Peptide in Early Spondyloarthritis: Low Serum Levels as a Potential Biomarker for Disease Severity. J Mol Neurosci. 2015;56:577-84 7. Jonsson M, Norrgard O, Forsgren S. Epithelial...

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Vasoactive intestinal peptide is a neuropeptide with potent modulatory activity on **intestinal** immunity and may be implicated **in the pathogenesis** of inflammatory bowel disease (IBD).