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Author Caroline Gustafsson		
Title (English) Signaling by inflammatory G protein-coupled receptors in T lymphocytes		
Title (Swedish)		
Abstract <p>This study explored the mechanisms involved in the signaling triggered by the G-protein coupled receptors CCR9 and B1R in murine T lymphocytes. The involvement of MAP kinases was investigated using Western blot. The results revealed a B1R triggered activation of the MAPK Erk1/2. In addition, inhibition of several kinases was performed to determine if they are involved in the CCR9 triggered migration of T lymphocytes. CCR9 was found to promote T lymphocyte migration through activation of Rho kinase and PI3-kinase.</p>		
Keywords <p>GPCR, inflammation, chemokine, B1R, TECK, CCR9, T lymphocytes, chemotaxis, signaling, MAPK, Rho kinase, PKA, PKC</p>		
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