

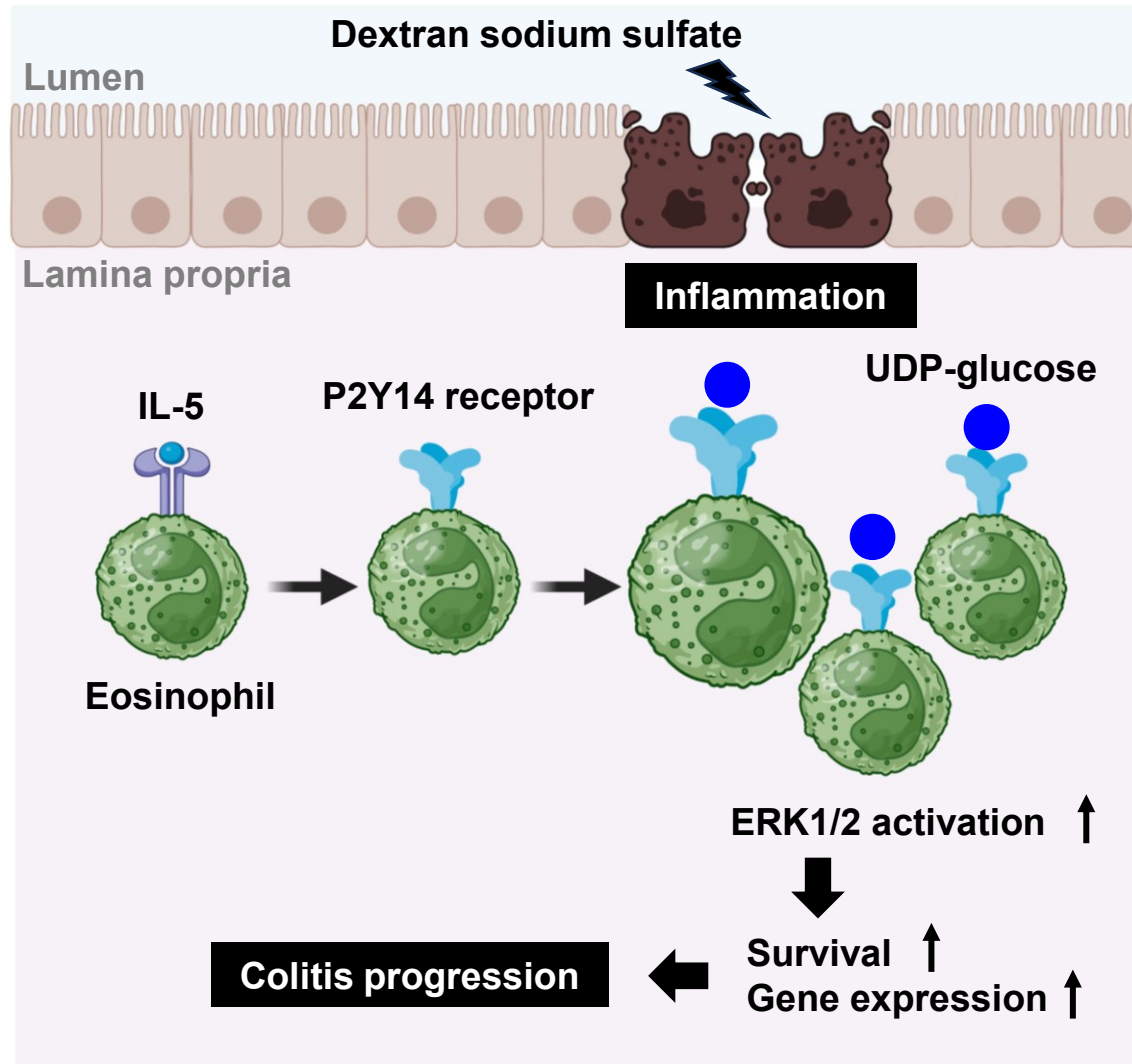


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| Title | The UDP-glucose/P2Y14 receptor axis promotes eosinophil-dependent large intestinal inflammation |
| Author(s) | Liu, Li; Ito, Takayoshi; Li, Bo et al. |
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Graphic abstract: The expression of purinergic receptor P2Y14 is upregulated in colonic eosinophils in response to IL-5. The P2Y14 receptor ligand UDP-glucose is increased in the large intestinal tissue of mice during intestinal inflammation. UDP-glucose prolongs the lifespan of eosinophils and promoted gene transcription in the cells through P2Y14 receptor-mediated activation of ERK1/2 signaling and thereby aggravates large intestinal inflammation.