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GLP-2 – Actions and therapeutic potential
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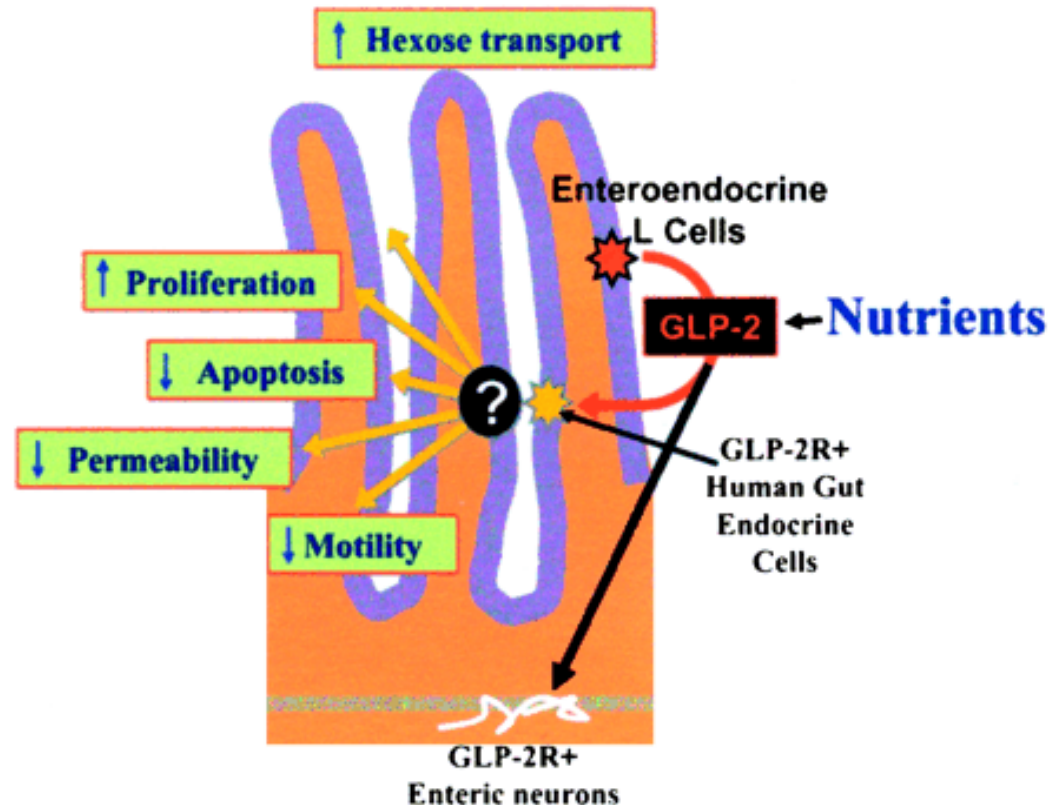
GLP-2 – AN IMPORTANT NATIVE GUT PEPTIDE HORMONE

GLP-2 belongs to the super family of glucagon peptides

A 33 amino acid long peptide, co-secreted upon nutrient intake along with GLP-1 from intestinal endocrine cells in the small and large intestine

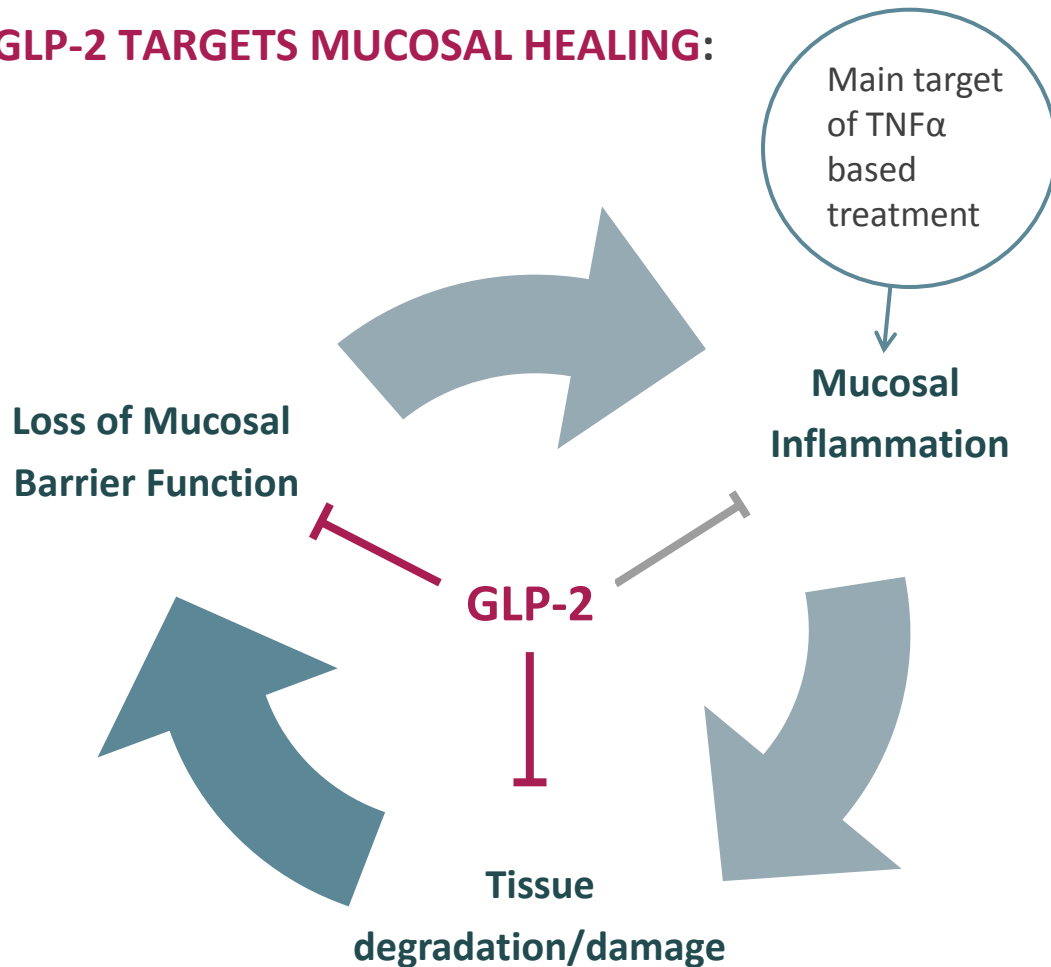
GLP-2 has a multitude of functions in the gastro-intestinal tract

- Stimulates mucosal growth in the small and large intestine
- Inhibits enterocyte and crypt cell apoptosis
- Stimulates enterocyte glucose transport and GLUT-2 expression
- Increases nutrient absorption
- Inhibits gastric emptying and gastric acid secretion
- Reduces intestinal permeability
- Stimulates intestinal blood flow
- Relaxes the intestinal smooth muscle



GLP-2 HAS BROAD THERAPEUTIC POTENTIAL

GLP-2 TARGETS MUCOSAL HEALING:



GLP-2 peptide drugs have shown to

- cause mucosal healing and regeneration of damaged gut tissue
- have a good safety profile
- be suited for combination therapy

- Chemotherapy and Radiotherapy Induced Diarrhea (CID and RID)
- Inflammatory Bowel Disease (UC and Crohn's)
- Celiac Disease
- Short Bowel Syndrome
- Post Operative Ileus
- Pediatric Indications such as NEC