



## Anti-GLP2R (aa 69-178) polyclonal antibody (DPAB-DC3785)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

|                            |  |
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| <b>Antigen Description</b> | The GLP2 receptor (GLP2R) is a G protein-coupled receptor superfamily member closely related to the glucagon receptor and GLP1 receptor. Glucagon-like peptide-2 (GLP2) is a 33-amino acid proglucagon-derived peptide produced by intestinal enteroendocrine cells. Like glucagon-like peptide-1 (GLP1) and glucagon itself, it is derived from the proglucagon peptide encoded by the GCG gene. GLP2 stimulates intestinal growth and upregulates villus height in the small intestine, concomitant with increased crypt cell proliferation and decreased enterocyte apoptosis. Moreover, GLP2 prevents intestinal hypoplasia resulting from total parenteral nutrition. GLP2R, a G protein-coupled receptor superfamily member is expressed in the gut and closely related to the glucagon receptor (GCGR) and the receptor for GLP1 (GLP1R). |
| <b>Immunogen</b>           | GLP2R (NP_004237, 69 a.a. ~ 178 a.a) partial recombinant protein with GST tag. The sequence is<br>LEETTRKWAQYKQACLRDLLKEPSGIFCNGTFDQYVCWPHSSPGNVSVPCPSYLPWWSEE<br>SSGRAYRHCLAQGTWQTIENTDIWQDDSECSENHSFKQNVDRYALLSTL  |
| <b>Source/Host</b>         | Mouse  |
| <b>Species Reactivity</b>  | Human  |
| <b>Conjugate</b>           | Unconjugated   |
| <b>Applications</b>        | WB (Recombinant protein), ELISA,   |
| <b>Size</b>                | 50 µl  |
| <b>Buffer</b>              | 50 % glycerol  |
| <b>Preservative</b>        | None   |
| <b>Storage</b>             | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.   |

# GENE INFORMATION

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|----------------------------|---|
| <b>Gene Name</b>           | <a href="#">GLP2R glucagon-like peptide 2 receptor [ Homo sapiens (human) ]</a>   |
| <b>Official Symbol</b>     | GLP2R   |
| <b>Synonyms</b>            | GLP2R; glucagon-like peptide 2 receptor; GLP-2R; GLP-2-R; GLP-2 receptor;   |
| <b>Entrez Gene ID</b>      | <a href="#">9340</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_004237</a>   |
| <b>UniProt ID</b>          | <a href="#">O95838</a>  |
| <b>Chromosome Location</b> | 17p13.3   |
| <b>Pathway</b>             | Class B/2 (Secretin family receptors); GPCR downstream signaling; GPCRs, Class B Secretin-like; Neuroactive ligand-receptor interaction |
| <b>Function</b>            | G-protein coupled receptor activity; glucagon receptor activity;  |