



# Anti-EXTL1 (aa 141-241) polyclonal antibody (DPAB-DC920)

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

## PRODUCT INFORMATION

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| <b>Antigen Description</b> | This gene is a member of the multiple exostoses (EXT) family of glycosyltransferases, which function in the chain polymerization of heparan sulfate and heparin. The encoded protein harbors alpha 1,4- N-acetylglucosaminyltransferase activity, and is involved in chain elongation of heparan sulfate and possibly heparin. |
| <b>Immunogen</b>           | EXTL1 (NP_004446, 141 a.a. ~ 241 a.a) partial recombinant protein with GST tag. The sequence is<br>AQTGECSSMPLQWNRGRNHLVRLHPAPCPRTFQLGQAMVAEASPTVDSFRPGFDVALPF<br>LPEAHPLRGGAPGQLRQHSPQPGVALLALEEERGGWRTADT                                                                                                                    |
| <b>Source/Host</b>         | Mouse                                                                                                                                                                                                                                                                                                                          |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                          |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>        | WB (Cell lysate), 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

**Gene Name** [EXTL1 exostosin-like glycosyltransferase 1 \[ Homo sapiens \(human\) \]](#)

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| <b>Official Symbol</b>     | EXTL1                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>            | EXTL1; exostosin-like glycosyltransferase 1; EXTL; exostosin-like 1; exostosin-L; exostoses (multiple)-like 1; multiple exostosis-like protein; alpha-N-acetylglucosaminyltransferase II; glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase; glucuronyl-N-acetylglucosaminylproteoglycan alpha-1,4-N- acetylglucosaminyltransferase; glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N- acetylglucosaminyltransferase; |
| <b>Entrez Gene ID</b>      | <a href="#">2134</a>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | <a href="#">NP_004446</a>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | <a href="#">Q92935</a>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 1p36.1                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Pathway</b>             | Glycosaminoglycan biosynthesis - heparan sulfate / heparin; Glycosaminoglycan biosynthesis, heparan sulfate backbone; heparan sulfate biosynthesis; heparan sulfate biosynthesis (late stages)                                                                                                                                                                                                                                                                     |
| <b>Function</b>            | glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase activity;                                                                                                                                                                                                                                                                                                                                                                   |