



## Anti-FUCA1 (aa 362-461) polyclonal antibody (DPAB-DC1174)

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 protein encoded by this gene is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids. Mutations in this gene are associated with fucosidosis (FUCA1D), which is an autosomal recessive lysosomal storage disease. A pseudogene of this locus is present on chr 2.[provided by RefSeq, Oct 2009] |
| <b>Immunogen</b>           | FUCA1 (NP_000138, 362 a.a. ~ 461 a.a) partial recombinant protein with GST tag. The sequence is<br><br>EAIFYASKPWRVQWEKNITSVWYTSKGSAYVAIFLHWPPENGVLNLESPITTSTTKITMLGI<br>QGDLKWSTDPDKGLFISLPQLPPSAVPAEFAWTIKLTGVK  |
| <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="#">FUCA1 fucosidase, alpha-L- 1. tissue [ Homo sapiens (human) ]</a> |
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| <b>Official Symbol</b>     | FUCA1   |
| <b>Synonyms</b>            | FUCA1; fucosidase, alpha-L- 1, tissue; FUCA; tissue alpha-L-fucosidase; alpha-L-fucosidase 1; alpha-L-fucosidase I; alpha-L-fucoside fucohydrolase 1; |
| <b>Entrez Gene ID</b>      | <a href="#">2517</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_000138</a>   |
| <b>UniProt ID</b>          | <a href="#">P04066</a>  |
| <b>Chromosome Location</b> | 1p34  |
| <b>Pathway</b>             | Lysosome; Other glycan degradation;   |
| <b>Function</b>            | alpha-L-fucosidase activity; fucose binding;  |

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