



# Anti-SEMA7A (aa 536-633) polyclonal antibody (DPAB-DC3499)

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 binds to cell surfaces through a glycosylphosphatidylinositol (GPI) linkage. The encoded glycoprotein is found on activated lymphocytes and erythrocytes. This protein may be involved in immunomodulatory and neuronal processes. Defects in this gene can result in loss of bone mineral density (BMD). Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009] |
| <b>Immunogen</b>           | SEMA7A (NP_003603, 536 a.a. ~ 633 a.a) partial recombinant protein with GST tag. The sequence is<br>EPHKECPNPKPDKAPLQKVSLAPNSRYYLSCPMESRHATYSWRHKENVEQSCEPGHQSPN<br>CILFIENLTAQQYGHYFCEAQEGSYFREAQHWQLLPED                                                                                                                                                                                                                                                    |
| <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="#">SEMA7A semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group) [ Homo sapiens (human) ]</a>                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b>     | SEMA7A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>            | SEMA7A; semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group); JMH; CD108; SEMAL; CDw108; SEMAK1; H-Sema-L; H-SEMA-K1; semaphorin-7A; sema L; sema K1; semaphorin L; semaphorin-L; semaphorin K1; semaphorin-K1; JMH blood group antigen; John Milton Hagen blood group H-Sema K1; john-Milton-Hargen human blood group Ag; sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, 7A; sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A (JMH blood group); |
| <b>Entrez Gene ID</b>      | <a href="#">8482</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | <a href="#">NP_001139501</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | <a href="#">O75326</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 15q22.3-q23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | Axon guidance; Other semaphorin interactions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Function</b>            | integrin binding; protein binding; receptor activity;                                                                                                                                                                                                                                                                                                                                                                                                                                                               |