



# Anti-CLU polyclonal antibody (DPABY-273)

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

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Antigen Description</b> | Clusterin (named for its ability to aggregate, or cluster, cells) is an 80-kDa, secreted, heterodimeric glycoprotein that has no identifiable structural motif(s). It is generated from a common precursor that is cleaved to form two disulfide-linked subunits. Clusterin is believed to function as a unique type of heat shock protein, presumably protecting extracellular molecules. Alternative splicing will also generate a truncated form of Clusterin that is pro-apoptotic. Thus, its function(s) may be context-dependent. |
| <b>Specificity</b>         | Detects mouse Clusterin in ELISAs and Western blots. Insandwich ELISAs, approximately 5% cross-reactivity with recombinant human Clusterin is observed.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>           | Mouse myeloma cell line NS0-derived recombinant mouse Clusterin. Glu22-Glu448 Accession Number Q06890                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source/Host</b>         | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species Reactivity</b>  | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purification</b>        | Antigen Affinity-purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>        | Western Blot, Immunohistochemistry, Immunoprecipitation, ELISA Capture (Matched Pair)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Format</b>              | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Size</b>                | 100 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Buffer</b>              | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Preservative</b>        | See individual product datasheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| <b>Storage</b> | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.    |
|                | 12 months from date of receipt, -20 to -70 °C as supplied.             |
|                | 1 month, 2 to 8 °C under sterile conditions after reconstitution.      |
|                | 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">Clu clusterin [ Mus musculus (house mouse) ]</a>                                                                                                                                                                                           |
| <b>Official Symbol</b>     | CLU                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | CLU; clusterin; Cli; ApoJ; Sgp2; SP-40; Sgp-2; Sugp-2; AI893575; D14Ucla3; apo-J; clustrin; Apolipoprotein J; sulfated glycoprotein 2; complement lysis inhibitor; testosterone repressed prostate message; testosterone repressed prostate message-2; |
| <b>Entrez Gene ID</b>      | <a href="#">12759</a>                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | <a href="#">NP_038520</a>                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | <a href="#">Q06890</a>                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 14 D1; 14 34.36 cM                                                                                                                                                                                                                                     |
| <b>Pathway</b>             | Hemostasis; Platelet activation, signaling and aggregation; Platelet degranulation; Response to elevated platelet cytosolic Ca2+;                                                                                                                      |
| <b>Function</b>            | misfolded protein binding; protein binding; ubiquitin protein ligase binding;                                                                                                                                                                          |