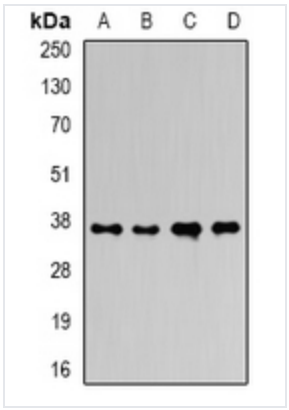
# Ficolin 1 (FCN1) Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Ficolin 1 (FCN1), Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-Ficolin 1 Antibody |
| **Product Gene Name** | anti-FCN1 antibody |
| **Product Synonym Names** | FCNM; Ficolin-1; Collagen/fibrinogen domain-containing protein 1; Ficolin-A; Ficolin-alpha; M-ficolin |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Purity/Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Concentration** | 1mg/mL (lot specific) |
| **Preparation and Storage** | Store at -20 degree C. Avoid repeated freeze/thaw cycles. |
| **Molecular Weight** | 326 |
| **OMIM** | 601252 |
| **3D Structure** | ModBase 3D Structure for O00602 |
| **Immunogen** | Recombinant full length protein of human Ficolin 1 |
| **Product Categories/Family for anti-FCN1 antibody** | Primary antibodies |
| **ISO Certification** | Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory. |
| **Applications Tested/Suitable for anti-FCN1 antibody** | Western Blot (WB) |
| **Application Notes for anti-FCN1 antibody** | WB: 1:500-1:2000 |
| **Related Product Information for anti-FCN1 antibody** | MBS4505311 is an antibody targeting FCN1. Also known as Rabbit anti-Ficolin 1 Antibody. Reactive in Human. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-FCN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**Western Blot (WB) of anti-FCN1 antibody**
Western blot analysis of Ficolin 1 expression in HepG2 (A), mouse liver (B), mouse heart (C), rat liver (D) whole cell lysates.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCN1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 20455484 |
| **NCBI GeneID** | 2219 |
| **NCBI Accession #** | O00602.2 |
| **UniProt Primary Accession #** | O00602 |
| **UniProt Secondary Accession #** | Q5VYV5; Q92596 |
| **UniProt Related Accession #** | O00602 |
| **NCBI Official Full Name** | Ficolin-1 |
| **NCBI Official Synonym Full Names** | ficolin (collagen/fibrinogen domain containing) 1 |
| **NCBI Official Symbol** | FCN1 |
| **NCBI Official Synonym Symbols** | FCNM |
| **UniProt Protein Name** | Ficolin-1 |
| **UniProt Synonym Protein Names** | Collagen/fibrinogen domain-containing protein 1; Ficolin-A; Ficolin-alpha; M-ficolin |
| **Protein Family** | Ficolin |
| **UniProt Gene Name** | FCN1 |
| **UniProt Synonym Gene Names** | FCNM |
| **UniProt Entry Name** | FCN1_HUMAN |
| **NCBI Protein Information** | ficolin-1; M-ficolin; ficolin-A; ficolin-alpha; collagen/fibrinogen domain-containing protein 1; ficolin (collagen/fibrinogen domain-containing) 1 |
| **NCBI Summary for FCN1** | The ficolin family of proteins are characterized by the presence of a leader peptide, a short N-terminal segment, followed by a collagen-like region, and a C-terminal fibrinogen-like domain. The collagen-like and the fibrinogen-like domains are also found separately in other proteins such as complement protein C1q, C-type lectins known as collectins, and tenascins. However, all these proteins recognize different targets, and are functionally distinct. Ficolin 1 encoded by FCN1 is predominantly expressed in the peripheral blood leukocytes, and has been postulated to function as a plasma protein with elastin-binding activity. [provided by RefSeq, Jul 2008] |

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| **UniProt Comments for FCN1** | FCN1: Complement-activating lectin and pattern recognition receptor. Binds GlcNAc. Binds preferentially to 9-O-acetylated 2- 6-linked sialic acid derivatives and to various glycans containing sialic acid engaged in a 2-3 linkage. Belongs to the ficolin lectin family.<br><br>Protein type: Secreted, signal peptide; Secreted<br><br>Chromosomal Location of Human Ortholog: 9q34<br><br>Cellular Component: collagen; extrinsic to external side of plasma membrane; extracellular region<br><br>Molecular Function: protein binding; G-protein-coupled receptor binding; metal ion binding; carbohydrate binding; pattern recognition receptor activity; sialic acid binding<br><br>Biological Process: G-protein coupled receptor protein signaling pathway; negative regulation of virion penetration into host cell; cell surface pattern recognition receptor signaling pathway; innate immune response; complement activation, lectin pathway; recognition of apoptotic cell; complement activation |
| **Research Articles on FCN1** | **1.** the differential binding of ficolin-1 to lymphocyte subsets suggests ficolin-1 as a novel link between innate and adaptive immunity. |
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