

Ficolin-1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10663**Specification**

Ficolin-1 Antibody - Product Information

Application	WB
Primary Accession	O9WTS8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36627

Ficolin-1 Antibody - Additional Information

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes ~33 kDa Ficolin-1 and a 37 kDa Ficolin-1 precursor in samples from human, mouse and rat origins. Reactivity to other species has not been tested.
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Other Names

Flow cytometryN1 , Flow cytometryNM , ficolin 1

Target/Specificity

Ficolin-1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Ficolin-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Ficolin-1 Antibody - Protein Information

Name Fcn1

Synonyms Fcna

Function

Extracellular lectin functioning as a pattern-recognition receptor in innate immunity. Binds the sugar moieties of pathogen- associated molecular patterns (PAMPs) displayed on microbes and activates the lectin pathway of the complement system. May also activate monocytes through a G protein-coupled receptor, FFAR2, inducing the secretion of interleukin-8/IL-8. 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 (By similarity).

Cellular Location

Secreted {ECO:0000250|UniProtKB:O00602}. Cell membrane {ECO:0000250|UniProtKB:O00602}; Peripheral membrane protein {ECO:0000250|UniProtKB:O00602}; Extracellular side {ECO:0000250|UniProtKB:O00602}. Note=Found on the monocyte and granulocyte surface. {ECO:0000250|UniProtKB:O00602}

Ficolin-1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ficolin-1 Antibody - Images

Ficolin-1 Antibody - Background

Ficolin-1 also known as M-Ficolin is a pattern recognition molecule of the lectin complement activation pathway. It is expressed mostly in monocytes, neutrophils and in type II alveolar epithelial cells. Ficolin-1 is detected on the surface of circulating monocytes but is not present in the plasma. Ficolin-1 has a 28 aa signal sequence, an N-terminal collagen domain and a C-terminal fibrinogen-like (FBG) domain that contain a calcium binding site and a potential N-glycosylation site.