

FCN1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56099

Specification

FCN1 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat
Host
Clonality
Calculated MW
Physical State

O00602
Rat
Rabbit
Polyclonal
S2 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human FCN1

Epitope Specificity 101-200/326

Isotype
Purity
affinity purified by Protein A

diffiled by Frotein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

laG

SUBCELLULAR LOCATION Secreted. Found on the monocyte surface.

SIMILARITY Belongs to the ficolin lectin family.

Contains 1 collagen-like domain. Contains

1 fibrinogen C-terminal domain.

SUBUNIT Involved in serum exerting lectin activity.

Binds GlcNAc.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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]

FCN1 Polyclonal Antibody - Additional Information

Gene ID 2219

Other Names

Ficolin-1, Collagen/fibrinogen domain-containing protein 1, Ficolin-A, Ficolin-alpha, M-ficolin, FCN1, FCNM

Target/Specificity



Peripheral blood leukocytes. Also detected in spleen, lung, and thymus, may be due to the presence of tissue macrophages or trapped blood in these tissues. Not detected on lymphocytes and granulocytes.

Dilution

IHC-P~~N/A<br \> <span class
="dilution_IHC-F">IHC-F~~N/A<br \> <span class
="dilution_IF">IF~~1:50~200<br \> ICC~~N/A<br \> E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

FCN1 Polyclonal Antibody - Protein Information

Name FCN1

Synonyms FCNM

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 (PubMed:21037097). 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.

Cellular Location

Secreted. Cell membrane; Peripheral membrane protein; Extracellular side. Note=Found on the monocyte and granulocyte surface (PubMed:20400674)

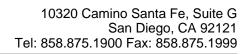
Tissue Location

Peripheral blood leukocytes, monocytes and granulocytes. Also detected in spleen, lung, and thymus, may be due to the presence of tissue macrophages or trapped blood in these tissues Not detected on lymphocytes.

FCN1 Polyclonal 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 Cytomety
- Cell Culture





FCN1 Polyclonal Antibody - Images