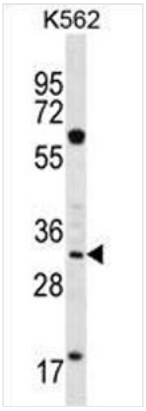
FCN3 Antibody – Rabbit Polyclonal

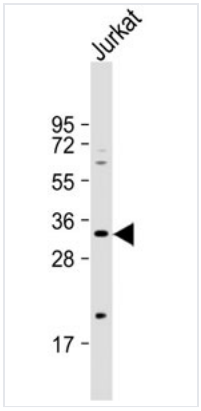
PRODUCT OVERVIEW

Product Name	FCN3, Polyclonal Antibody
Full Product Name	FCN3, CT (FCN3, FCNH, HAKA1, Ficolin-3, Collagen/fibrinogen domain-containing lectin 3 p35, Collagen/fibrinogen domain-containing protein 3, Hakata antigen)
Product Gene Name	anti-FCN3 antibody
Product Synonym Names	Anti -FCN3, CT (FCN3, FCNH, HAKA1, Ficolin-3, Collagen/fibrinogen domain-containing lectin 3 p35, Collagen/fibrinogen domain-containing protein 3, Hakata antigen)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Purified by Protein A and peptide affinity chromatography.
Specificity	Recognizes human FCN3.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Chromosome Location	Chromosome: 1; NC_000001.10 (27695601..27701315, complement). Location: 1p36.11
OMIM	604973
3D Structure	ModBase 3D Structure for O75636
Grade	Affinity Purified
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 214-243 in the C-terminal region of human FCN3.
Product Categories/Family for anti-FCN3 antibody	Antibodies; Abs to Fibrinogen
Applications Tested/Suitable for anti-FCN3 antibody	ELISA, Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-FCN3 antibody	Recommended Dilution: Western Blot: 1:1000 Immunohistochemistry (FFPE): 1:10-1:50 Flow Cytometry: 1:10-1:50 Other applications have not been tested. Optimal dilutions to be determined by the researcher.
Related Product Information for anti-FCN3 antibody	Ficolins are a group of proteins which consist of a collagen-like domain and a fibrinogen-like domain. In human serum, there are two types of ficolins, both of which have lectin activity. The protein encoded by this gene is a thermolabile beta-2-macroglycoprotein found in all human serum and is a member of the ficolin/opsonin p35 lectin family. The protein, which was initially identified based on its reactivity with sera from patients with systemic lupus erythematosus, has been shown to have a calcium-independent lectin activity. The protein can activate the complement pathway in association with MASPs and sMAP, thereby aiding in host defense through the activation of the lectin pathway. Alternative splicing occurs at this locus and two variants, each encoding a distinct isoform, have been identified.

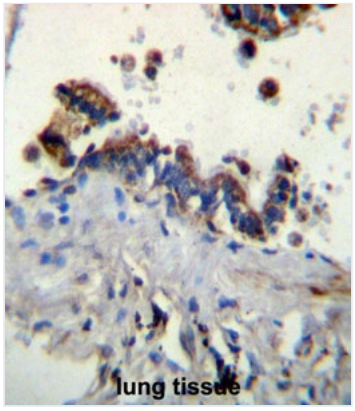
Other Notes	Small volumes of anti-FCN3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FCN3 purchase	MBS6003157 is an antibody targeting FCN3. Also known as FCN3, CT (FCN3, FCNH, HAKA1, Ficolin-3, Collagen/fibrinogen domain-containing lectin 3 p35, Collagen/fibrinogen domain-containing protein 3, Hakata antigen). Reactive in Human. Host: Rabbit.



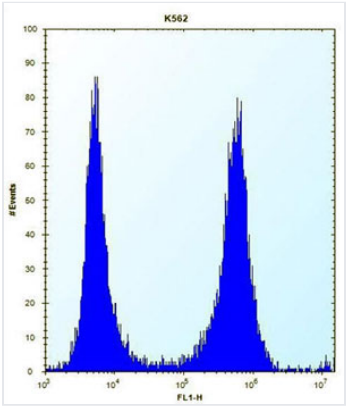
Western Blot (WB) of anti-FCN3 antibody
Western Blot analysis of K562 cell line lysates (35ug/lane) using MBS6003157. This demonstrates the MBS6003157 detected the FCN3 protein (arrow).



Western Blot (WB) of anti-FCN3 antibody
Western Blot analysis of Jurkat whole cell lysate (20ug/lane) using MBS6003157 (1:500)Secondary IgG (HRP) Goat Anti-Rabbit (1:10,000)Predicted band size : 33kD



Immunohistochemistry (IHC) of anti-FCN3 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue using MBS6003157 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6003157 for immunohistochemistry.



Flow Cytometry (FC/FACS) of anti-FCN3 antibody
Flow Cytometric analysis of K562 cells using MBS6003157 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCN3. It may not necessarily be applicable to this product.

NCBI GI #	27754778
NCBI GeneID	8547
NCBI Accession #	NP_775628.1
UniProt Primary Accession #	O75636
UniProt Secondary Accession #	Q6IBJ5; Q8WW86
UniProt Related Accession #	O75636
GenBank Nucleotide #	NM_173452.1
NCBI Official Full Name	ficolin-3 isoform 2
NCBI Official Synonym Full Names	ficolin (collagen/fibrinogen domain containing) 3

NCBI Official Symbol	FCN3
NCBI Official Synonym Symbols	FCNH; HAKA1
UniProt Protein Name	Ficolin-3
UniProt Synonym Protein Names	Collagen/fibrinogen domain-containing lectin 3 p35; Collagen/fibrinogen domain-containing protein 3; Hakata antigen
Protein Family	Ficolin
UniProt Gene Name	FCN3
UniProt Synonym Gene Names	FCNH; HAKA1
UniProt Entry Name	FCN3_HUMAN
NCBI Protein Information	ficolin-3; H-ficolin; ficolin 3; collagen/fibrinogen domain-containing protein 3; collagen/fibrinogen domain-containing lectin 3 p35; ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen)
UniProt Comments for FCN3	FCN3: May function in innate immunity through activation of the lectin complement pathway. Calcium-dependent and GlcNAc- binding lectin. Has affinity with GalNAc, GlcNAc, D-fucose, as mono/oligosaccharide and lipopolysaccharides from S.typhimurium and S.minnesota. Defects in FCN3 are the cause of ficolin 3 deficiency (FCN3D). FCN3D is a disorder characterized by immunodeficiency, recurrent infections, brain abscesses and recurrent warts on the fingers. Affected individuals have normal levels of lymphocytes, normal T-cell responses, and normal antibodies, but a selective deficient antibody response to pneumococcal polysaccharide vaccine. Belongs to the ficolin lectin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 1p36.11 Cellular Component: collagen; extracellular region Molecular Function: protein binding; carbohydrate binding; antigen binding Biological Process: negative regulation of virion penetration into host cell; innate immune response; complement activation, lectin pathway; recognition of apoptotic cell; defense response to virus; complement activation Disease: Immunodeficiency Due To Ficolin 3 Deficiency
Research Articles on FCN3	**1.** Increased fucosylation of ficolin 3 in plasma of the rheumatoid arthritis patients
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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