SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-FCN3 antibody

Catalog Number: SL16062R

FOR RESEARCH USE ONLY

[DATASHEET]

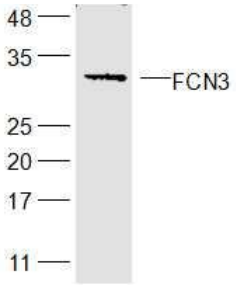
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FCN3
Immunogen:	KLH conjugated synthetic peptide derived from human FCN3: 21-120/299
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	30kDa
Subcellular Location:	cytoplasmic
Background:	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. [provided by RefSeq, Jul 2008] **Function:** FCN3 (Ficolin 3) is involved in the serum exerting lectin activity. In human serum, there are two types of ficolins, both of which have lectin activity. FCN3 is a thermolabile beta 2 macroglycoprotein found in all human

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	serum and is a member of the ficolin/opsonin p35 lectin family. It can activate the complement pathway in association with MASPs and sMAP, thereby aiding in host defense through the activation of the lectin pathway. **Subunit:** Homopolymer; disulfide-linked. May be an octadecamer consisting of an elementary trimer unit. Does not interact with fibronectin, elastin or zymosan. Interacts with MASP1 and MASP2. **Subcellular Location:** Secreted. **Note:** Found in blood plasma, bronchus, alveolus and bile duct. **Tissue Specificity:** Liver and lung. In liver it is produced by bile duct epithelial cells and hepatocytes. In lung it is produced by both ciliated bronchial epithelial cells and type II alveolar epithelial cells. **Post-translational modifications:** The N-terminus is blocked. DISEASE: Ficolin 3 deficiency (FCN3D) [MIM:613860]: 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. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the ficolin lectin family. Contains 1 collagen-like domain. Contains 1 fibrinogen C-terminal domain. **Database links:** **Entrez Gene:** 8547 Human Omim: 604973 Human **SwissProt:** O75636 Human

[VALIDATION IMAGES]



Sample:
A549(Human) Cell Lysate at 30 ug
Primary: Anti-FCN3 (SL16062R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

Predicted band size: 30 kD
Observed band size: 30 kD

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.