



## Anti-FCN3 (full length) polyclonal antibody (DPAB-DC3576)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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 MASP1 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.
<b>Immunogen</b>	FCN3 (AAH20731, 1 a.a. ~ 288 a.a) full-length recombinant protein with GST tag. The sequence is  MDLLWILPSLWLLLLGGPACLKTQEHPSCPGPRELEASKVLLPSCPGAPGSPGEKGAPG PQGPPGPPGKMGPKGEPGPRNCRELLSQGATLSGWYHLCLPEGRALPVFCDMDEGGGWL VFQRRQDGSDFFRSWSSYRAGFGNQESEFWLGNENLHQLTLQGNWELRVELEDFNGNRT FAHYATFRLGEVDHYQLALGKFSEGTAGDSLSLHSGRPLTTYDADHDSSNSNCAVIVHG AWWYASCYRSNLNGRYAVSEAAAHKYGIDWASGRGVGHPYRRVRMMLR
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol

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<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">FCN3 ficolin (collagen/fibrinogen domain containing) 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	FCN3
<b>Synonyms</b>	FCN3; ficolin (collagen/fibrinogen domain containing) 3; FCNH; HAKA1; 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);
<b>Entrez Gene ID</b>	<a href="#">8547</a>
<b>Protein Refseq</b>	<a href="#">NP_003656</a>
<b>UniProt ID</b>	<a href="#">O75636</a>
<b>Chromosome Location</b>	1p36.11
<b>Pathway</b>	Complement cascade; Ficolins bind to repetitive carbohydrate structures on the target cell surface; Initial triggering of complement; Lectin pathway of complement activation
<b>Function</b>	carbohydrate binding; protein binding;

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