



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

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

PRODUCT INFORMATION

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

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

GENE INFORMATION

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