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Rabbit Anti-Ficolin 2 antibody

SL13162R

Product Name:	Ficolin 2
Chinese Name:	弹性蛋白Binding proteinFcn2抗体
Alias:	37 kDa elastin-binding protein; Collagen/fibrinogen domain containing protein 2; Collagen/fibrinogen domain-containing protein 2; EBP 37; EBP-37; EBP37; FCN 2; Fcn2; FCN2_HUMAN; FCNL; Ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin); Ficolin B; Ficolin beta; Ficolin-2; Ficolin-B; Ficolin-beta; Ficolin2; Hucolin; L ficolin; L-ficolin; OTTHUMP00000022518; P35; RP11 263F14.2; Serum lectin p35.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	31kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Ficolin 2/Ficolin B:231-313/313
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 癈 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癈. 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 癈.
PubMed:	PubMed
Product Detail:	Ficolin B is the designation in mouse and rat of a protein also known as L-ficolin, ficolin-2, collagen/fibrinogen domain-containing protein 2, serum lectin p35, EBP-37 or

hucolin. Ficolin B is a 313 amino acid member of the ficolin lectin family. It is a secreted innate immunity pattern recognition molecule expressed in liver and plasma that forms a disulfide-linked homopolymer. This extensive N-terminal disulfide bridge formation can lead to a functional dodecamer polypeptide. Ficolin B binds to DNA ligands expressed by late apoptotic and necrotic cells to increase attachment and engulfment. Variation in ficolin B concentrations amongst individuals is associated with polymorphisms in the promoter and structural portion of the FCN2 gene. In patients with Beh鏕t's disease (BD), there exists a significant difference in allele frequency for FCN2 gene single nucleotide polymorphisms (SNPs) within the -557 and -64 promoter sites within HLA-B51 positive and HLA-B51 negative subgroups.

Function:
May function in innate immunity through activation of the lectin complement pathway. Calcium-dependent and GlcNAc-binding lectin. Enhances phagocytosis of S.typhimurium by neutrophils, suggesting an opsonic effect via the collagen region.

Subunit:
Homopolymer; disulfide-linked. Interacts with elastin. Interacts with MASP1 and MASP2.

Subcellular Location:
Secreted.

Tissue Specificity:
Expressed by the liver and secreted in plasma.

Similarity:
Belongs to the ficolin lectin family.
Contains 1 collagen-like domain.
Contains 1 fibrinogen C-terminal domain.

SWISS:
Q15485

Gene ID:
2220

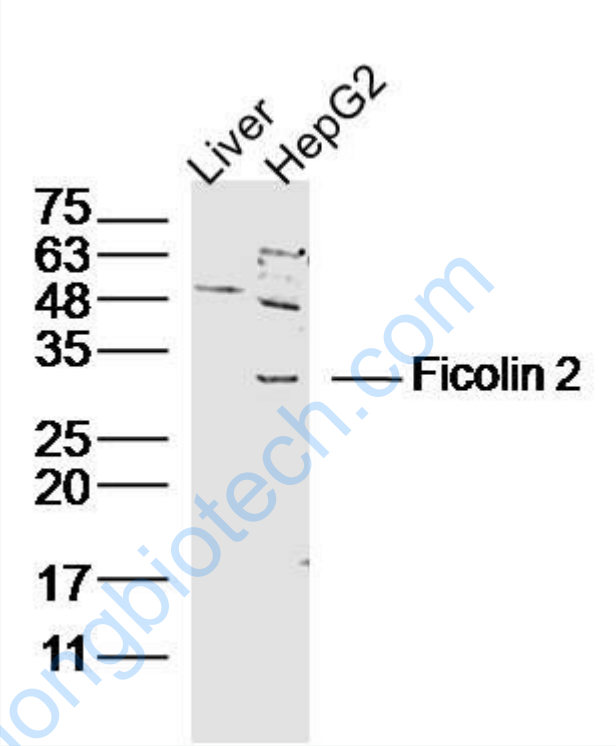
Database links:

Entrez Gene: 2220Human

Omim: 601624Human

SwissProt: Q15485Human

Unigene: 54517Human

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Liver (Mouse) Lysate at 40 ug HepG2 (human) Lysate at 40 ug Primary: Anti- Ficolin 2 (SL13162R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31kD Observed band size: 31kD