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Datasheet for ABIN653621
anti-F12 antibody (N-Term)

1 Image

Overview

Quantity:	400 µL
Target:	F12
Binding Specificity:	AA 7-34, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This F12 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This F12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-34 amino acids from the N-terminal region of human F12.
Clone:	RB24396
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	F12
Alternative Name:	F12 (F12 Products)
Background:	This gene encodes coagulation factor XII which circulates in blood as a zymogen. This single

Target Details

chain zymogen is converted to a two-chain serine protease with an heavy chain (alpha-factor XIIa) and a light chain. The heavy chain contains two fibronectin-type domains, two epidermal growth factor (EGF)-like domains, a kringle domain and a proline-rich domain, whereas the light chain contains only a catalytic domain. On activation, further cleavages takes place in the heavy chain, resulting in the production of beta-factor XIIa light chain and the alpha-factor XIIa light chain becomes beta-factor XIIa heavy chain. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves factor XII first to alpha-factor XIIa and then to beta-factor XIIa. The active factor XIIa participates in the initiation of blood coagulation, fibrinolysis, and the generation of bradykinin and angiotensin. It activates coagulation factors VII and XI.

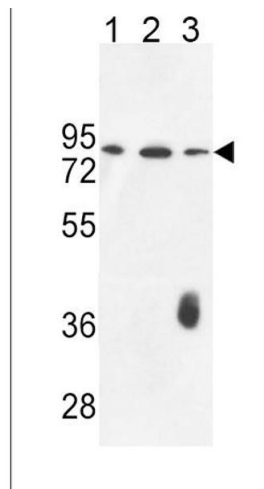
Molecular Weight:	67792
Gene ID:	2161
NCBI Accession:	NP_000496
UniProt:	P00748
Pathways:	Complement System

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Western Blotting

Image 1. F12 Antibody (N-term) (ABIN653621 and ABIN2842977) western blot analysis in K562(lane 1),CEM(lane 2),MDA-M(lane 3) cell line lysates (35 μ g/lane).This demonstrates the F12 antibody detected the F12 protein (arrow).