F12 polyclonal antibody

Catalog # PAB0672 Size 1 mg

Specification

Product Description	Sheep polyclonal antibody raised against native F12.
Immunogen	Native purified Human F12.
Host	Sheep
Reactivity	Human
Specificity	This antibody recognizes human factor XII.
Form	Liquid
Recommend Usage	Western Blot (25 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Gene Info — F12

Entrez GeneID	2161
Gene Name	F12
Gene Alias	HAE3, HAEX, HAF

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Gene Description	coagulation factor XII (Hageman factor)
Omim ID	234000 610618 610619
Gene Ontology	Hyperlink
Gene Summary	This gene encodes coagulation factor XII which circulates in blood as a zymogen. This single chai n 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 i n the production of beta-factor XIIa light chain and the alpha-factor XIIa light chain becomes beta-f actor XIIa heavy chain. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves f actor XII first to alpha-factor XIIa and then to beta-factor XIIa. The active factor XIIa participates in t he initiation of blood coagulation, fibrinolysis, and the generation of bradykinin and angiotensin. It activates coagulation factors VII and XI. Defects in this gene do not cause any clinical symptoms and the sole effect is that whole-blood clotting time is prolonged. [provided by RefSeq
Other Designations	Hageman factor|coagulation factor XII

Pathway

- Complement and coagulation cascades

Disease

- Abortion
- Acute Disease
- Angina
- Atherosclerosis
- Blood Coagulation Disorders
- Calcinosis
- Cardiovascular Diseases
- Cerebral Infarction
- Cerebrovascular Accident
- Chorioamnionitis
- Chromosome Deletion

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- Coronary Artery Disease
- Coronary Disease
- Diabetes Mellitus
- Diabetic Angiopathies
- Disease Progression
- Edema
- Factor XII Deficiency
- Fetal Membranes
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hemorrhagic Disorders
- Hypercholesterolemia
- Hypertension
- Intracranial Thrombosis
- Kidney Failure
- Myocardial Infarction
- Obstetric Labor
- Peripheral Vascular Diseases
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Protein S Deficiency
- Recurrence
- Retinal Vein Occlusion
- Syndrome
- Thrombophilia

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- Thrombosis
- Venous Thrombosis
- Werner syndrome

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