

Product datasheet for **AM20504PU-N**

Factor VIII (F8) Mouse Monoclonal Antibody [Clone ID: F8 2.2.9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F8 2.2.9
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	F8 antibody was raised against purified human Factor VIII.
Specificity:	This antibody recognizes full-length Human Factor VIII (F8). Does not cross-react with von Willebrand factor.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C to -80°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	coagulation factor VIII
Database Link:	Entrez Gene 2157 Human P00451



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Background:

This gene encodes coagulation factor VIII, which participates in the intrinsic pathway of blood coagulation; factor VIII is a cofactor for factor IXa which, in the presence of Ca²⁺ and phospholipids, converts factor X to the activated form Xa. This gene produces two alternatively spliced transcripts. Transcript variant 1 encodes a large glycoprotein, isoform a, which circulates in plasma and associates with von Willebrand factor in a noncovalent complex. This protein undergoes multiple cleavage events. Transcript variant 2 encodes a putative small protein, isoform b, which consists primarily of the phospholipid binding domain of factor VIIIc. This binding domain is essential for coagulant activity. Defects in this gene results in hemophilia A, a common recessive X-linked coagulation disorder.

Synonyms:

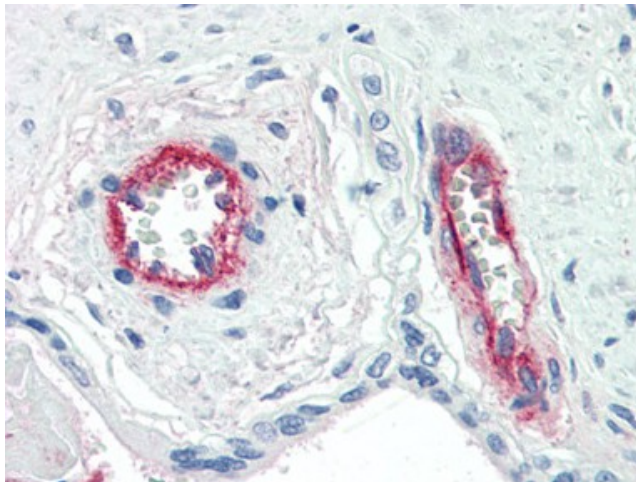
Procoagulant component, Antihemophilic factor, F8C, AHF

Protein Families:

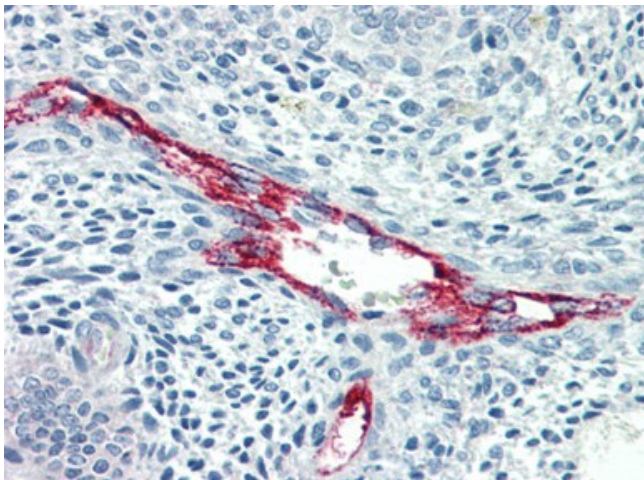
Druggable Genome, Secreted Protein

Protein Pathways:

Complement and coagulation cascades

Product images:

Human Placenta, Vessels (formalin-fixed, paraffin-embedded) stained with F8 antibody at 10 mg/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Uterus, Vessels (formalin-fixed, paraffin-embedded) stained with F8 antibody at 10 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.