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Product datasheet for TA342832

Factor VIII (F8) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-F8 antibody: synthetic peptide directed towards the C terminal of human F8. Synthetic peptide located within the following region: IMVTFRNQASRPYSFYSSLISYEEDQRQGAEPRKNFVKPNETKTYFWKVQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	79 kDa
Gene Name:	coagulation factor VIII
Database Link:	NP_000123 Entrez Gene 2157 Human P00451

View online »

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 Ca+2 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.

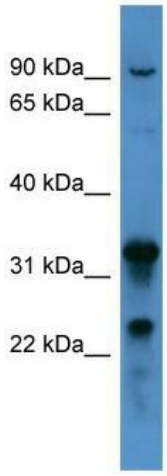
Synonyms: AHF; DXS1253E; F8B; F8C; FVIII; HEMA

Note: Immunogen Sequence Homology: Human: 100%; Horse: 93%; Sheep: 86%; Bovine: 86%; Rabbit: 86%; Dog

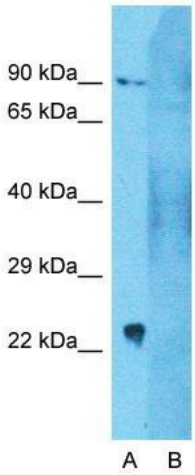
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades

Product images:



WB Suggested Anti-F8 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: 721_B cell lysate



Anti-F8 Western Blot & Peptide Block Validation

Lysate: 721_B cell

Lane A: Primary Antibody
Lane B: Primary Antibody + Blocking Peptide

Primary Antibody Concentration: 1.0µg/ml
Peptide Concentration: 5.0µg/ml
Lysate Quantity: 25µg/lane
Gel Concentration: 12%

Host: Rabbit; Target Name: F8; Sample Tissue: 721_B Whole Cell; Lane A: Primary Antibody; Lane B: Primary Antibody + Blocking Peptide; Primary Antibody Concentration: 1 ug/ml; Peptide Concentration: 5ug/ml; Lysate Quantity: 25ug/lane; Gel Concentration: 0