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Rabbit Anti-factor VIII antibody

SL0332R

Product Name:	factor VIII
Chinese Name:	凝血因子8/第八凝血因子/第八因子相关抗原抗体
Alias:	FVIII; coagulation factor VIII; Ahf; Antihemophilic factor; Coagulation factor VIII; Coagulation factor VIII associated protein b; Coagulation factor VIII isoform b; Coagulation factor VIII procoagulent component; Coagulation factor VIIIc; Dna segment on chromosome x unique 1253 expressed sequence; Dxs1253e; F8; F8 protein; F8b; F8c; Factor VIII F8b; FactorVIII; FVIII; Hema; Hema coagulation factor VIIIc procoagulent component; Hemophilia a; Hemophilia classic; OTTHUMP00000061446; Procoagulant component; AHF; DXS1253E; F8B; F8C; FVIII; HEMA; FA8_HUMAN.
文献引用 PubMed :	**Specific References(2)**|SL0332R has been referenced in 2 publications. **[IF=3.32]**Hu, Bin, et al. ?IFN-γ Inhibits Osteopontin Expression in Human Decidual Stromal Cells and can be Attenuated by 1 alpha, 25-Dihydroxyvitamin D3.? American Journal of Reproductive Immunology 68.4 (2012): **Human**. PubMed:22784028 **[IF=0.58]**Zhou, Yan, et al. "Changes in number and biological function of endothelial progenitor cells in hypertension disorder complicating pregnancy." Journal of Huazhong University of Science and Technology--Medical Sciences-- 28.6 (2008): 670-673.**Human**. PubMed:19107363
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	230kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human factor VIII:1451-1550/2351
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 °C 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°C. 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 °C.
PubMed:	PubMed
Product Detail:	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. [provided by RefSeq, Jul 2008]. **Function:** Factor VIII, along with calcium and phospholipid, acts as a cofactor for factor IXa when it converts factor X to the activated form, factor Xa. **Subunit:** Interacts with vWF. vWF binding is essential for the stabilization of F8 in circulation. **Subcellular Location:** Secreted, extracellular space. **Post-translational modifications:** Sulfation on Tyr-1699 is essential for binding vWF. **DISEASE:** Hemophilia A (HEMA) [MIM:306700]: A disorder of blood coagulation characterized by a permanent tendency to hemorrhage. About 50% of patients have severe hemophilia resulting in frequent spontaneous bleeding into joints, muscles and internal organs. Less severe forms are characterized by bleeding after trauma or surgery. Note=The disease is caused by mutations affecting the gene represented in this entry. Of particular interest for the understanding of the function of F8 is the category of CRM (cross-reacting material) positive patients (approximately 5%) that have considerable amount of F8 in

their plasma (at least 30% of normal), but the protein is non-functional; i.e. the F8 activity is much less than the plasma protein level. CRM-reduced is another category of patients in which the F8C antigen and activity are reduced to approximately the same level. Most mutations are CRM negative, and probably affect the folding and stability of the protein.

Similarity:
Belongs to the multicopper oxidase family.
Contains 3 F5/8 type A domains.
Contains 2 F5/8 type C domains.
Contains 6 plastocyanin-like domains.

SWISS:
P00451

Gene ID:
2157

Database links:

Entrez Gene: 2157Human

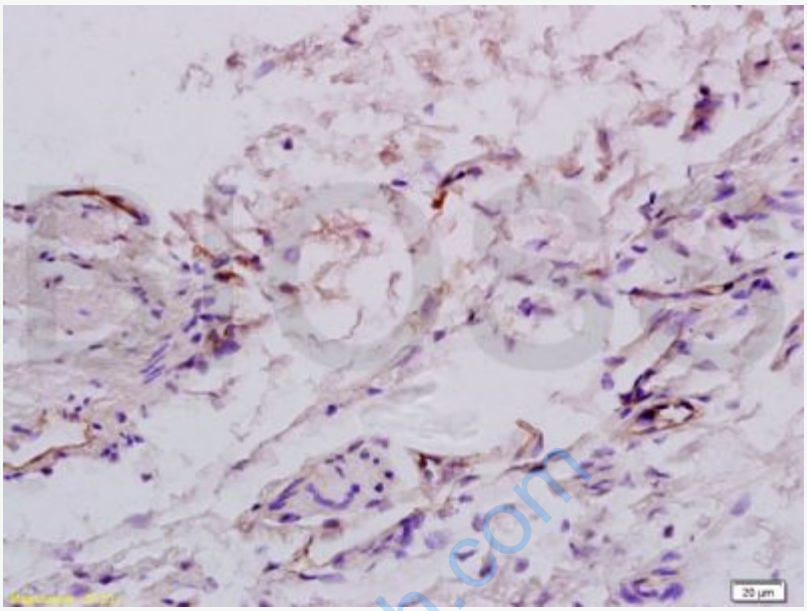
Omim: 300841Human

SwissProt: P00451Human

Unigene: 654450Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Factor VIII-related Antigen
(又称:凝结因子VIII,抗血友病因子)第VIII因子抗体用于血管源性良性和恶性Tumour的诊断，也用于遗传性血友病的研究。在正常动脉、静脉、毛细血管及心脏内细胞的vascular endothelial cell上阳性表达。在巨核细胞及血小板上也有表达。
第八因子相关抗原-
Ⅷ因子抗体:是一种glycoprotein，广泛存在于血管上皮、肝脏、脾窦上皮、及淋巴endothelial cells，是vascular endothelial
cell及其内源性良恶性Tumour的特异性标记。主要用于血管原性良恶性Tumour和血管肉瘤的诊断。少数副睾、子宫和输卵管的腺癌样瘤也有表达.

Picture:	 Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37??for 20 min; Incubation: Anti-factor VIII(FVIII)(human) Polyclonal Antibody, Unconjugated(SL0332R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining