Data Sheet (Cat.No.TMAB-00453)

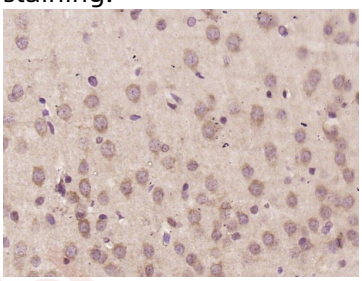
Anti-Coagulation Factor VIII/FVIII/F8 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Dog,Rabbit)
Molecular Weight:	Theoretical: 267 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (factor VIII) Polyclonal Antibody, Unconjugated (TMAB-00453) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.



Application:	IF,IHC-Fr,IHC-P
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: rat factor VIII
Antigen Species:	Rat
Synonyms:	HEMA;DXS1253E;F8C;F8B;AHF;FVIII;THPH13
Biology Area:	Intrinsic

Research 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. [provided by RefSeq, Jul 2008].

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