

For Research Use Only

VWF, VWFpp Polyclonal antibody

Catalog Number: 11778-1-AP **107 Publications**



Basic Information

Catalog Number: 11778-1-AP	GenBank Accession Number: .	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 7450	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: P04275	
Isotype: IgG	Full Name: von Willebrand factor	
Immunogen Catalog Number: AG2386	Calculated MW: 309 kDa	
	Observed MW: 309-320 kDa, 75-100 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls:
Cited Applications: WB	WB : HUVEC cells, Jurkat cells, human placenta tissue, mouse spleen tissue, rat spleen tissue
Species Specificity: human, mouse, rat	IP : mouse spleen tissue,
Cited Species: human, mouse, rat, pig, monkey	

Background Information

Von Willebrand factor (vWF) is a large multimeric glycoprotein that is crucial to the hemostasis process. It supports platelet adhesion and carries factor VIII (FVIII). Deficiency of vWF results in von Willebrand disease (vWD), a common inherited bleeding disorder. The pre-pro-vWF is comprised of 2,813 amino acids (aa) which encompass a 22-aa signal peptide, a 741-aa large propeptide (vWF propeptide, vWFpp, also called von Willebrand antigen 2) and 2,050 aa making up the mature vWF. The von Willebrand antigen 2 is required for multimerization of vWF and for its targeting to storage granules. This antibody raised against the N-terminal region of pre-pro-vWF recognizes von Willebrand antigen 2 (75-100 kDa) and pro-vWF (309-320 kDa). (PMID: 9759493; 12067899; 22452980; 8874191)

Notable Publications

Author	Pubmed ID	Journal	Application
Yixin Ren	30372905	Biomed Pharmacother	
Xiuyue Song	36171979	J Tissue Eng	
Yongzhong Mao	34525946	J Physiol Sci	WB

Storage

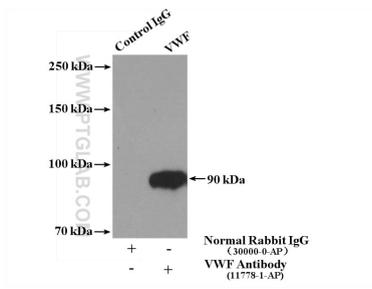
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

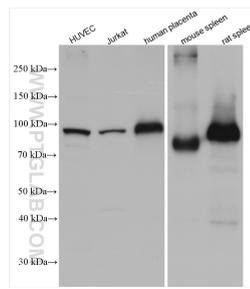
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Selected Validation Data



IP result of anti-VWF, VWFpp (IP:11778-1-AP, 4ug; Detection:11778-1-AP 1:300) with mouse spleen tissue lysate 5200ug.



Various lysates were subjected to SDS PAGE followed by western blot with 11778-1-AP (VWF, VWFpp antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.