

For Research Use Only

VWF, VWFpp Polyclonal antibody

Catalog Number: 11778-1-AP 107 Publications



Basic Information

Catalog Number:

11778-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2386

GenBank Accession Number:

.

GeneID (NCBI):

7450

UNIPROT ID:

P04275

Full Name:

von Willebrand factor

Calculated MW:

309 kDa

Observed MW:

309-320 kDa, 75-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, monkey

Positive Controls:

WB : HUVEC cells, Jurkat cells, human placenta tissue, mouse spleen tissue, rat spleen tissue

IP : mouse spleen tissue,

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

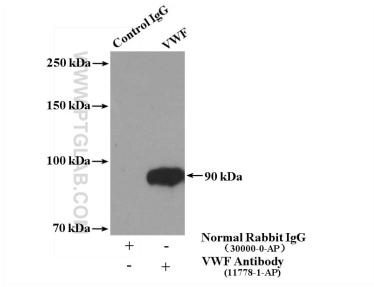
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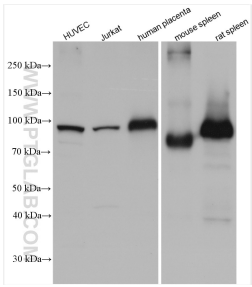
E: proteintech@ptglab.com
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Selected Validation Data



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.