ARG59671
anti-vWF antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes vWF
Tested Reactivity	Hu
Tested Application	FACS, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	vWF
Species	Human
Immunogen	Recombinant protein corresponding to R2535-K2813 of Human vWF.
Conjugation	Un-conjugated
Alternate Names	VWD; von Willebrand factor; vWF; von Willebrand antigen II; F8VWF

Application Instructions

Application table

Application	Dilution
FACS	1:150 - 1:500
IHC-Fr	1:200 - 1:1000
IHC-P	1:200 - 1:1000
WB	1:500 - 1:2000

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

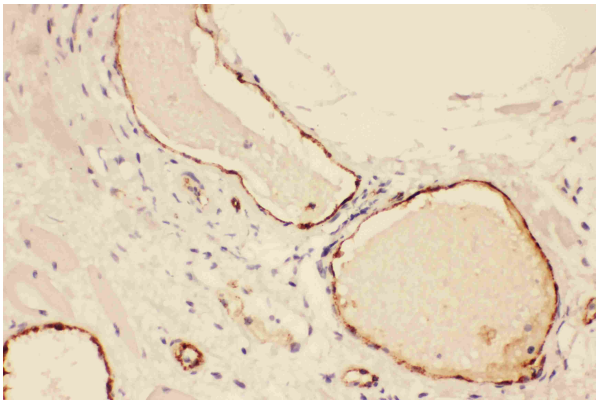
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

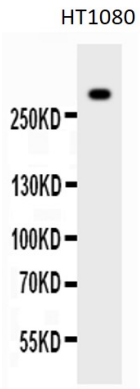
Gene Symbol	VWF
Gene Full Name	von Willebrand factor
Background	The glycoprotein encoded by this gene functions as both an antihemophilic factor carrier and a platelet-vessel wall mediator in the blood coagulation system. It is crucial to the hemostasis process. Mutations in this gene or deficiencies in this protein result in von Willebrand's disease. An unprocessed pseudogene has been found on chromosome 22. [provided by RefSeq, Jul 2008]
Function	Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between sub-endothelial collagen matrix and platelet-surface receptor complex GPIb-IX-V. Also acts as a chaperone for coagulation factor VIII, delivering it to the site of injury, stabilizing its heterodimeric structure and protecting it from premature clearance from plasma. [UniProt]
Calculated Mw	309 kDa
PTM	All cysteine residues are involved in intrachain or interchain disulfide bonds. N- and O-glycosylated. [UniProt]
Cellular Localization	Secreted. Secreted, extracellular space, extracellular matrix. Note=Localized to storage granules. [UniProt]

Images



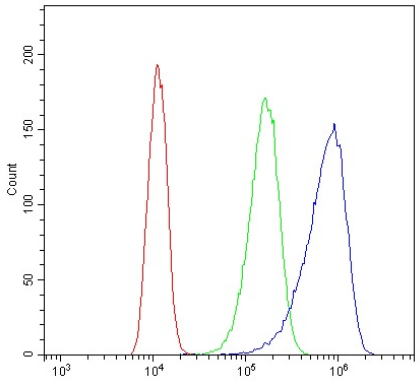
ARG59671 anti-vWF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59671 anti-vWF antibody at 1 µg/ml dilution, overnight at 4°C.



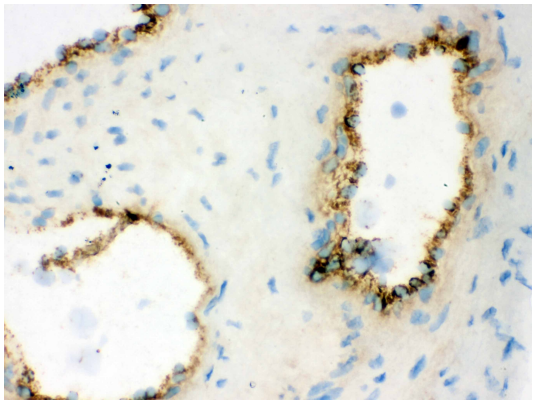
ARG59671 anti-vWF antibody WB image

Western blot: 50 µg of sample under reducing conditions. HT1080 whole cell lysate stained with ARG59671 anti-vWF antibody at 0.5 µg/ml, overnight at 4°C.



ARG59671 anti-vWF antibody FACS image

Flow Cytometry: A431 cells were blocked with 10% normal goat serum and then stained with ARG59671 anti-vWF antibody (blue line) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green line) was Rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red line) was also used as a control.



ARG59671 anti-vWF antibody IHC-Fr image

Immunohistochemistry: Frozen section of Human placenta tissue. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59671 anti-vWF antibody at 1 µg/ml dilution, overnight at 4°C.