

# Anti-Von Willebrand Factor Antibody [JJ09-34]

## ET1701-87



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 309 kDa
<b>Clone number:</b>	JJ09-34

**Description:** Von Willebrand disease is a congenital bleeding disorder caused by defects in the von Willebrand factor protein (VWF). VWF is a multimeric glycoprotein that is found in endothelial cells, plasma and platelets, and it is involved in the coagulation of blood at injury sites. VWF acts as a carrier protein for Factor VIII, a cofactor required for coagulation, and it promotes platelet adhesion and aggregation. Several factors are known to stimulate the binding of VWF to platelets, including glycoprotein 1b, ristocetin, botrocetin, collagen, sulphatides and heparin. Of the several domains contained within VWF, the A1, A2 and A3 domains have been shown to mediate this activation. VWF is thought to undergo a variety of posttranslational modifications that influence the affinity and availability for Factor VII, including cleavage of the propeptide and formation of N-terminal intersubunit disulfide bonds.

**Immunogen:** Recombinant protein within Human Von Willebrand Factor aa 1170-1320 / 2813.

**Positive control:** bEnd.3 cell lysate, Human lung tissue lysate, Mouse lung tissue lysate, Mouse liver tissue lysate.

**Subcellular location:** Secreted.

**Database links:** SwissProt: P04275 Human | Q8CIZ8 Mouse

**Recommended Dilutions:**  
**WB** 1:1,000-1:5,000

**Storage Buffer:** 1\*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

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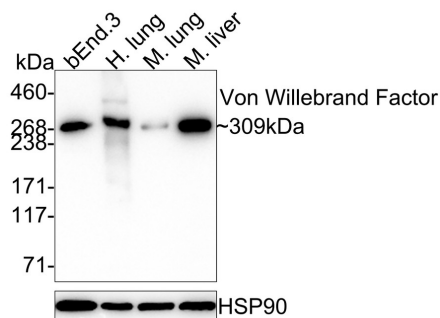
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## Images



**Fig1:** Western blot analysis of Von Willebrand Factor on different lysates with Rabbit anti-Von Willebrand Factor antibody (ET1701-87) at 1/1,000 dilution.

Lane 1: bEnd.3 cell lysate  
 Lane 2: Human lung tissue lysate  
 Lane 3: Mouse lung tissue lysate  
 Lane 4: Mouse liver tissue lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 309 kDa  
 Observed band size: 309 kDa

Exposure time: 5 minutes;

3-8% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (ET1701-87) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

### Background References

1. Nurnberg ST et al. Coronary Artery Disease Associated Transcription Factor TCF21 Regulates Smooth Muscle Precursor Cells That Contribute to the Fibrous Cap. *PLoS Genet* 11:e1005155 (2015).
2. Cheung K et al. CD31 signals confer immune privilege to the vascular endothelium. *Proc Natl Acad Sci U S A* 112:E5815-24 (2015).

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