

**Anti-Annexin V Antibody**  
Catalog # ABO10503**Specification****Anti-Annexin V Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	<a href="#">P08758</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Annexin A5(ANXA5) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Annexin V Antibody - Additional Information**

Gene ID 308

**Other Names**

Annexin A5, Anchorin CII, Annexin V, Annexin-5, Calphobindin I, CBP-I, Endonexin II, Lipocortin V, Placental anticoagulant protein 4, PP4, Placental anticoagulant protein I, PAP-I, Thromboplastin inhibitor, Vascular anticoagulant-alpha, VAC-alpha, ANXA5, ANX5, ENX2, PP4

**Calculated MW**

35937 MW KDa

**Application Details**

Immunocytochemistry , 0.5-1 µg/ml, Human, -<br>Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse<br>

**Protein Name**

Annexin A5

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg Na<sub>3</sub>N.

**Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human Annexin V(88-102aa SRLYDAYELKHALKG), identical to the related rat and mouse sequences.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

Storage

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

#### Sequence Similarities

Belongs to the annexin family.

### Anti-Annexin V Antibody - Protein Information

**Name** ANXA5

**Synonyms** ANX5, ENX2, PP4

#### Function

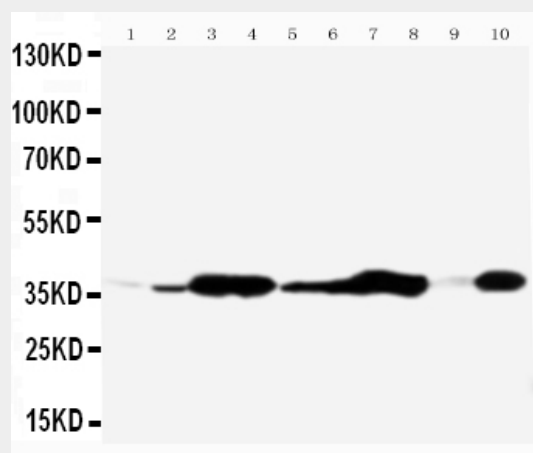
This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.

### Anti-Annexin V Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

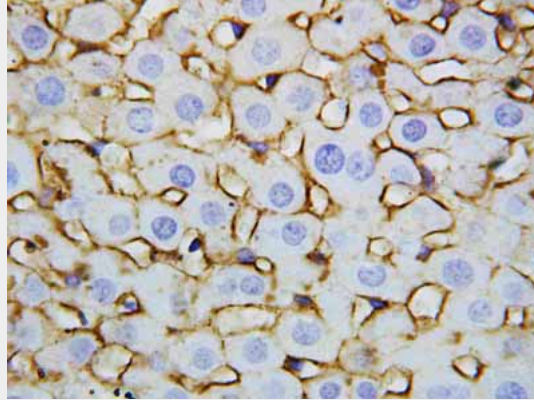
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-Annexin V Antibody - Images

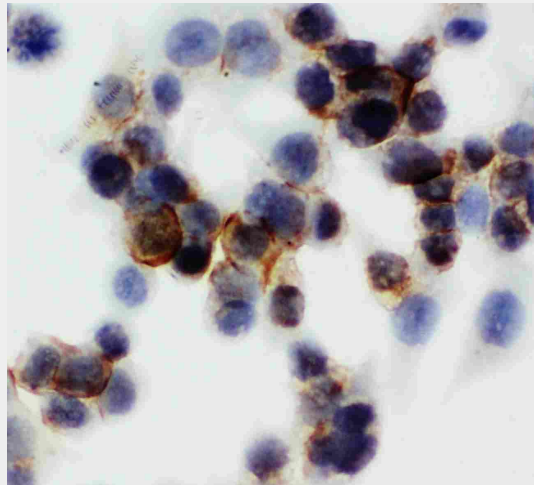


Anti-Annexin V antibody, ABO10503, Western blotting All lanes: Anti Annexin V (ABO10503) at 0.5ug/ml  
Lane 1: Rat Brain Tissue Lysate at 50ug  
Lane 2: Rat Skeletal Muscle Tissue Lysate at

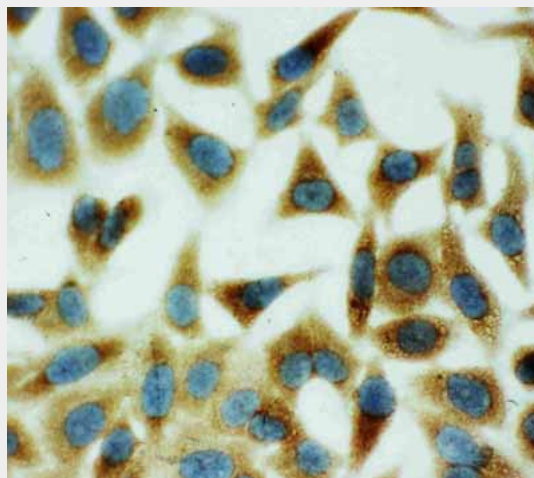
50ugLane 3: Rat Ovary Tissue Lysate at 50ugLane 4: Rat Lung Tissue Lysate at 50ugLane 5: MCF-7 Whole Cell Lysate at 40ugLane 6: SMMC Whole Cell Lysate at 40ugLane 7: A549 Whole Cell Lysate at 40ugLane 8: JURKAT Whole Cell Lysate at 40ugLane 9: SGC Whole Cell Lysate at 40ugLane 10: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 36KDObserved bind size: 36KD



Anti-Annexin V antibody, ABO10503, IHC(P)IHC(P): Rat Liver Tissue



Anti-Annexin V antibody, ABO10503, ICCICC: HCT116 Cell



Anti-Annexin V antibody, ABO10503, ICCICC: HELA Cell

**Anti-Annexin V Antibody - Background**

Annexin V also known as endonexin II (ENX2), or placental protein 4 (PP4). Endonexin II is a member of the family of Ca<sup>2+</sup>-dependent phospholipid binding proteins, known as annexins. It binds to the phospholipids that are preferentially located on the cytosolic face of the plasma membrane. It has a relative molecular weight of about 35,000. The gene lies on mouse chromosome 3 in close linkage with the fibroblast growth factor 2 (basic) gene and is syntenic with other genes known to have orthologous counterparts on human chromosome 4q. The PP4 cDNA encoded a protein of 320 amino acid residues. A single mRNA, approximately 1.6 kb long, was found to be expressed in human cell lines and placenta. PP4 is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.