

Anti-Annexin V Antibody
Catalog # ABO10503

Specification

Anti-Annexin V Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	P08758
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, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse

Protein Name

Annexin A5

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

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

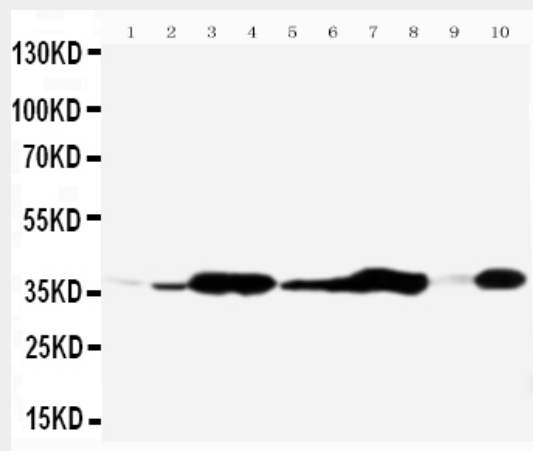
This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.

Anti-Annexin V Antibody - Protocols

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

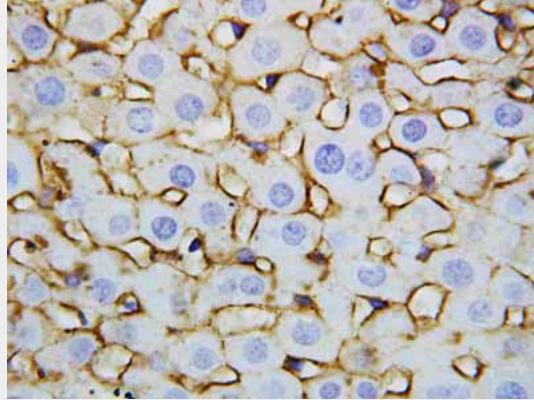
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Annexin V Antibody - Images

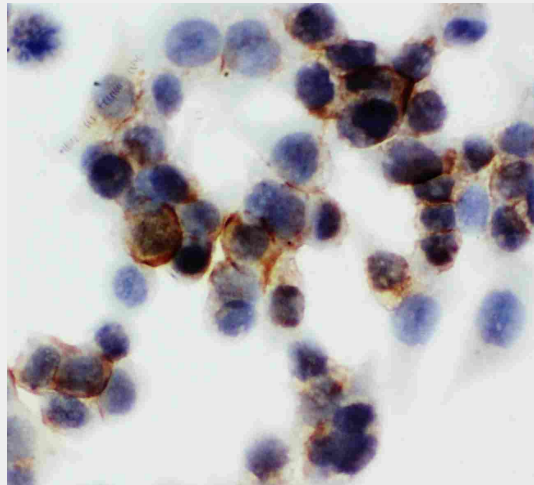


Anti-Annexin V antibody, ABO10503, Western blotting All lanes: Anti Annexin V (ABO10503) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: Rat Skeletal Muscle Tissue Lysate at

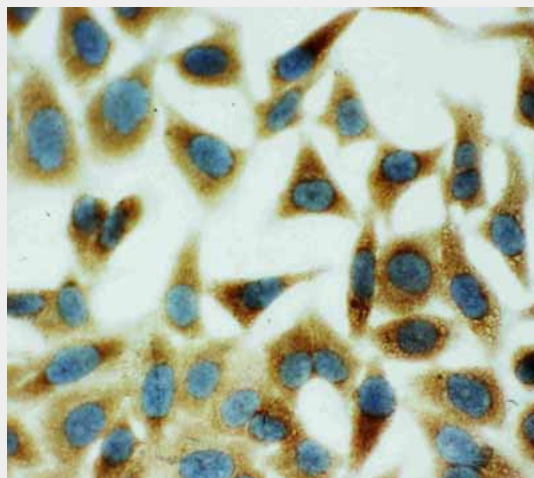
50ugLane 3: Rat Ovary Tissue Lysate at 50ugLane 4: Rat Lung Tissue Lysate at 50ugLane 5: MCF-7 Whole Cell Lysate at 40ugLane 6: SMMC Whole Cell Lysate at 40ugLane 7: A549 Whole Cell Lysate at 40ugLane 8: JURKAT Whole Cell Lysate at 40ugLane 9: SGC Whole Cell Lysate at 40ugLane 10: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 36KD
Observed 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 endonnxin II (ENX2), or placental protein 4 (PP4). Endonxin II is a member of the family of Ca²⁺-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.