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# Annexin V Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6580a

## Product Information

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| **Application** | IHC-P-Leica, FC, WB, E |
| **Primary Accession** | P08758 |
| **Other Accession** | Q4R4H7, P81287 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Bovine, Monkey, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB19461 |
| **Calculated MW** | 35937 |
| **Antigen Region** | 1-30 |

## Additional Information

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| **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 |
| **Target/Specificity** | This Annexin V antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human Annexin V. |
| **Dilution** | IHC-P-Leica~~1:500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | Annexin V Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | ANXA5 |

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| **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. |

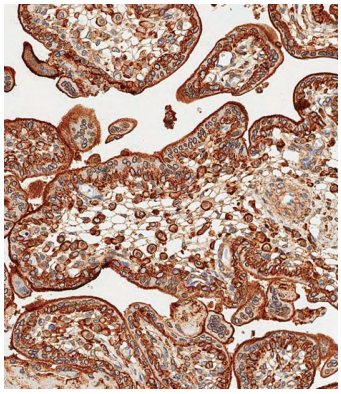
## Background

Annexin 5 belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII.

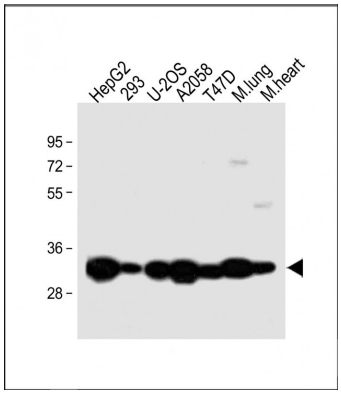
## References

Tiscia,G., Thromb. Haemost. 102 (2), 309-313 (2009)
Kim,T.H., Bone 45 (1), 125-131 (2009)

## Images

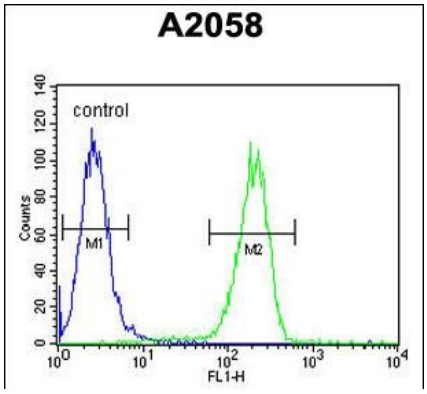


Immunohistochemical analysis of paraffin-embedded Human placenta tissue using AP6580A performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.




All lanes : Anti-Annexin V Antibody (N-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: 293 whole cell lysate Lane 3: U-2OS whole cell lysate Lane 4: A2058 whole cell lysate Lane 5: T47D whole cell lysate Lane 6: Mouse lung lysate Lane 7: Mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Annexin V Antibody (N-term) (Cat. #AP6580a) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.




Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.