

Product datasheet for **AP23294PU-N**

Annexin V (ANXA5) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 0.5 µg/ml. Immunocytochemistry: 0.5 µg/ml. Immunohistochemistry on Paraffin Sections: 1 µg/ml (Antigen Retrieval by heat).
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to a sequence near the C-terminal of Human Annexin V
Specificity:	This antibody detects Annexin A5 / ANXA5 near C-term. No cross reactivity with other proteins.
Formulation:	5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Sodium Azide State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore with 0.2 ml of distilled water to a concentration of 0.5 mg/ml.
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody after reconstitution at 2-8°C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	annexin A5
Database Link:	Entrez Gene 11747 Mouse Entrez Gene 25673 Rat Entrez Gene 308 Human P08758



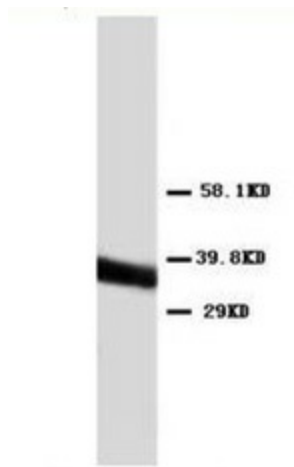
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Background:

Annexin V also known as endonexin II (ENX2), or placental protein 4 (PP4). Endonexin 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.

Synonyms:

Annexin-5, Annexin V, Lipocortin V, Endonexin II, Calphobindin I, Anchorin CII, ANX5, ENX2, PP4, CBP-I, PAP-I, VAC-alpha

Product images:


Western blot analysis of HeLa cell lysis using Annexin V antibody



Immunohistochemical analysis of paraffin-embedded rat tissue sections (cardiac muscle) using Annexin V antibody