

Product datasheet for **TA327155**

Annexin V (ANXA5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human ANXA5
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	annexin A5
Database Link:	NP_001145 Entrez Gene 11747 Mouse Entrez Gene 308 Human P08758



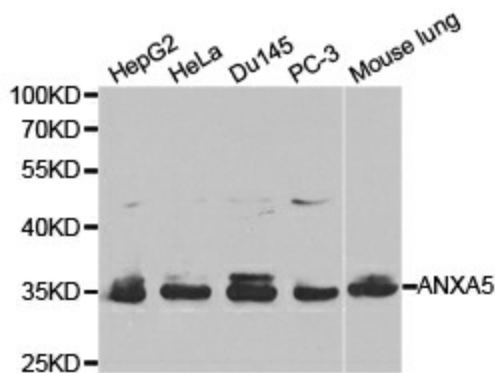
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Background:

Annexin V, also known as PAP-1 or Lipocortin V, is a ~30 kDa protein that binds to phospholipids in a calcium-dependent manner. All annexins contain a putative PKC binding site, but only annexin V has been identified as an inhibitor of this pathway. It may also signal, by direct interaction with VEGFR2 receptor, in the regulation of vascular endothelial cell proliferation. Annexin V preferentially binds phosphatidylserine, in competition with prothrombin, leading to inhibition of blood coagulation at sites of injury preceding contact between lipid components and coagulation factors that initiate thrombosis. The ability of Annexin V to bind specifically and robustly to phosphatidylserine makes it an attractive reagent in detecting apoptotic cells. Annexin V is inducible by glucocorticoids and can be phosphorylated by tyrosine and serine/threonine kinases. It is thought to block production of mediators of inflammation, such as prostaglandins and leukotrienes by inhibiting the release of arachidonic acid from membranes by phospholipase A2.

Synonyms:

ANX5; ENX2; HEL-S-7; PP4; RPRGL3

Product images:

Western blot analysis of extracts of extracts of HeLa cell lines, using ANXA5 antibody.