

Annexin V Ab

[Images\(3\)](#)

Cat.#: DF6580	Concn.: ~1mg/ml	Mol.Wt.: 36kDa
Size:	Source: Rabbit	Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200
 *The optimal dilutions should be determined by the end user.

Reactivity: Human,Mouse,Rat

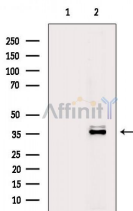
Storage: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human Annexin V, corresponding to a region within C-terminal amino acids.

Uniprot: P08758

Description: 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 (4-6). The ability of Annexin V to bind specifically and robustly to phosphatidylserine makes it an attractive reagent in detecting apoptotic cells .



Western blot analysis of extracts from Hela cells(uv treatment), using Annexin V Ab. The lane on the left was treated with blocking peptide.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.



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