

ANXA5

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW:36kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human ANXA5

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

b

Synonym:

ANX5; ENX2; PP4;

Catalog #:A1728

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:308

Isotype:IgG

Swiss Prot:P08758

Purity:Affinity purification

For research use only.

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 (1). All annexins contain a putative PKC binding site, but only annexin V has been identified as an inhibitor of this pathway (2). It may also signal, by direct interaction with VEGFR2 receptor, in the regulation of vascular endothelial cell proliferation (3). 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 (7). Annexin V is inducible by glucocorticoids and can be phosphorylated by tyrosine and serine/threonine kinases (8). 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 (8).

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