ANXA5 Polyclonal Antibody

E91728

Catalog Number: E91728
Amount: 100ul
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 hosphatidylserine 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 isthought to blockproduction of mediators of inflammation, such as prostaglandins and leukotrienes by inhibiting the release of arachidonic acid from membranes by phospholipase A2 (8).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: ANX5; ENX2; PP4;
Immunogen: Recombinant proteinof human ANXA5
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 36kDa
Swiss-Prot No. : P08758
Gene ID: 308
References: 1. Huber, R. et al. (1990) EMBO J 9, 3867-74. 2. Cardó-Vila, M. et al. (2003) Mol Cell 11, 1151-62. 3. Wen, Y. et al. (1999) Biochem Biophys Res Commun 258, 713-21. 4. Koopman, G. et al. (1994) Blood 84, 1415-20. 5. London, F. et al. (1996) Biochemistry 35, 16886-97. 6. Thiagarajan, P. and Benedict, C.R. (1997) Circulation 96, 2339-47. 7. Vermes, I. et al. (1995) J Immunol Methods 184, 39-51. 8. Grundmann, U. et al. (1988) Proc Natl Acad Sci USA 85, 3708-12.

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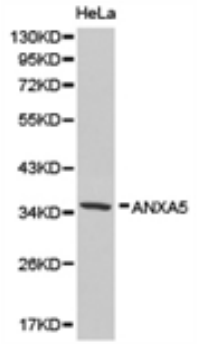
WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of HeLacell lines, using ANXA5 antibody.

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