

Product Name: KD-Validated Annexin A1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00624

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 38.7kDa

Antigen Information

Gene Name	ANXA1 ANXA1; Annexin A1; ANX1; LPC1; Phospholipase A2 Inhibitory Protein; Chromobindin-9;
Alternative Names	Calpactin II; Calpactin-2; Annexin-1; Epididymis Secretory Sperm Binding Protein; Annexin I (Lipocortin I); Lipocortin I; Annexin I; P35
Gene ID	301.0
SwissProt ID	P04083
Immunogen	Recombinant protein of human Annexin A1

Background

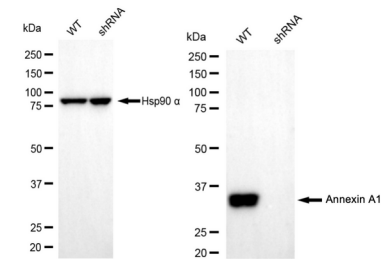
This gene encodes a membrane-localized protein that binds phospholipids. This protein inhibits phospholipase A2 and has anti-inflammatory activity. Loss of function or expression of this gene has been detected in multiple tumors. [provided by

RefSeq, Dec 2014]

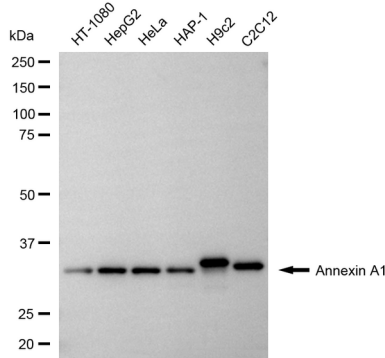
Research Area

Signal Transduction

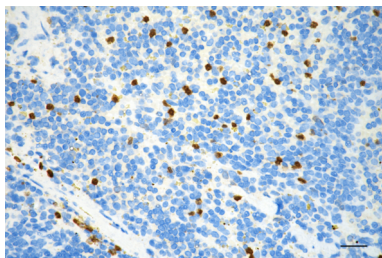
Image Data



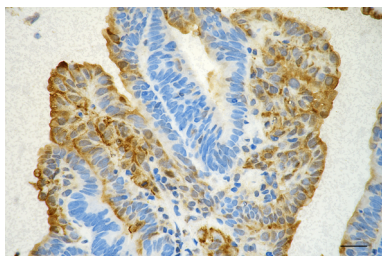
Western blotting analysis using Annexin A1 antibody (KVA00624). Annexin A1 expression in wild-type (WT) and Annexin A1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Annexin A1 antibody (KVA00624, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



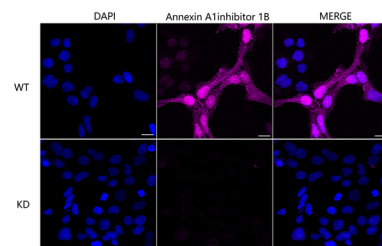
Western blotting analysis using annexin A1 antibody (KVA00624). Total cell lysates (10 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with annexin A1 antibody (KVA00624, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



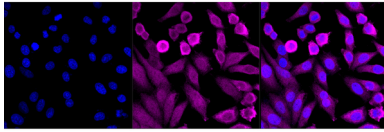
Immunohistochemistry was performed on paraffin-embedded mouse spleen using annexin A1 antibody (KVA00624, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



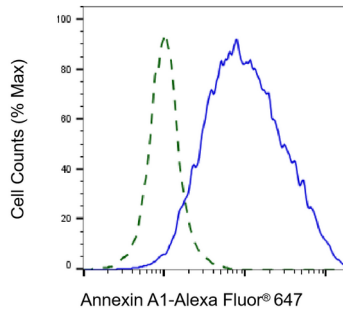
Immunohistochemistry was performed on paraffin-embedded human endometrial carcinoma using annexin A1 antibody (KVA00624, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



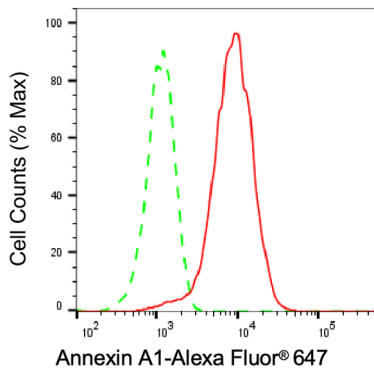
Immunocytochemical staining of HeLa cells using Annexin A1 antibody (KVA00624, 1:1,000), Top panel: wild-type (WT); Bottom panel: Annexin A1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Annexin A1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with Annexin A1 antibody (KVA00624, 1:1,000). Nuclei were stained blue with DAPI; Annexin A1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Validation of Annexin A1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Annexin A1 antibody (KVA00624, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Annexin A1 expression in HepG2 cells using Annexin A1 antibody (KVA00624, 1:2,000). Green, isotype control; red, Annexin A1.