

Product Name: KD-Validated Annexin V Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00194

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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 1:2,000-1:10,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 35.9kDa

Antigen Information

Gene Name	ANXA5
Alternative Names	ANXA5; Annexin A5; CPB-I; PAP-I; Placental Anticoagulant Protein I; Vascular Anticoagulant-Alpha; Calphobindin I; Endonexin II; Annexin V; VAC-Alpha; RPRGL3; ANX5; ENX2; Placental Anticoagulant Protein 4; Thromboplastin Inhibitor; Anchorin CII; Lipocortin V; VAC-Alpha; Annexin-5; PP4; Epididymis Secretory Protein Li 7; HEL-S-7; CBP-I
Gene ID	308.0
SwissProt ID	P08758
Immunogen	A synthesized peptide derived from human Annexin V

Background

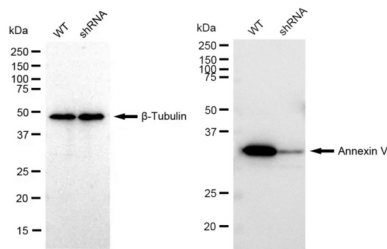
The Annexin 5 gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein

product with a molecular weight of about 35 kDa. The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant- α , endonexin II, lipocortin V, placental protein 4 and anchorin CII. Polymorphisms in this gene have been implicated in various obstetric complications. [provided by RefSeq, Dec 2019]

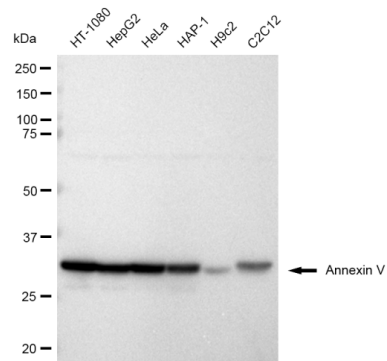
Research Area

Cell Biology, Cancer, Cardiovascular, Kits/ Lysates/ Other

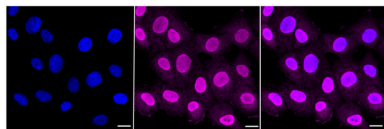
Image Data



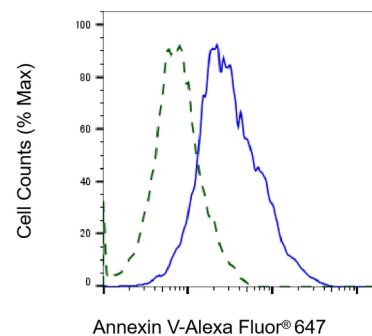
Western blotting analysis using Annexin V antibody (KVA00194). Annexin V expression in wild type (WT) and Annexin V shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Annexin V antibody (KVA00194, 1:10,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



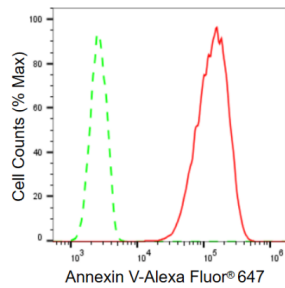
Western blotting analysis using Annexin V antibody (KVA00194). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Annexin V antibody (KVA00194, 1:10,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Annexin V antibody (KVA00194, 1:1,000). Nuclei were stained blue with DAPI; Annexin V 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 μ m.



Validation of Annexin V knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Annexin V antibody (KVA00194, 1:2,000) and analyzed using CytoFLEX.



Flow cytometric analysis of Annexin V expression in HT-1080 cells using Annexin V antibody (KVA00194, 1:2,000). Green, isotype control; red, Annexin V.