
Product Name: KD-Validated Annexin A6 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00622

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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 75.9kDa

Antigen Information

Gene Name	ANXA6
Alternative Names	ANXA6; Annexin A6; ANX6; 67 KDa Calelectrin; Chromobindin-20; Lipocortin VI; Annexin-6; CPB-II; P68; P70; Testis Secretory Sperm-Binding Protein Li 198a; Calcium-Binding Protein P68; Annexin VI (P68); Calphobindin II; Calphobindin-II; Calelectrin; Protein III; Annexin VI; CBP68
Gene ID	309.0
SwissProt ID	P08133
Immunogen	Recombinant protein of human Annexin-6

Background

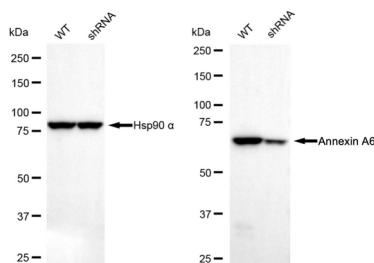
Annexin VI belongs to a family of calcium-dependent membrane and phospholipid binding proteins. Several members of the

annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. The annexin VI gene is approximately 60 kbp long and contains 26 exons. It encodes a protein of about 68 kDa that consists of eight 68-amino acid repeats separated by linking sequences of variable lengths. It is highly similar to human annexins I and II sequences, each of which contain four such repeats. Annexin VI has been implicated in mediating the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis. Alternatively spliced transcript variants have been described. [provided by RefSeq, Aug 2010]

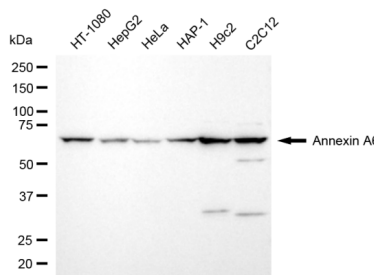
Research Area

Signal Transduction

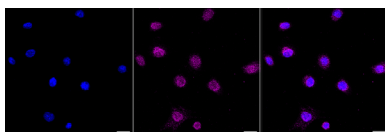
Image Data



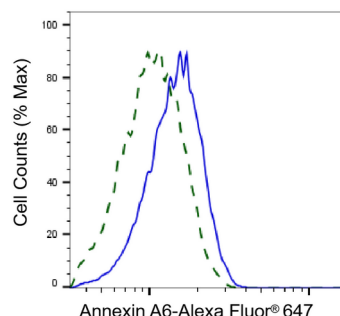
Western blotting analysis using Annexin A6 antibody (KVA00622). Annexin A6 expression in wild-type (WT) and Annexin A6 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Annexin A6 antibody (KVA00622, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using annexin A6 antibody (KVA00622). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with annexin A6 antibody (KVA00622, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Annexin A6 antibody (KVA00622, 1:1,000). Nuclei were stained blue with DAPI; Annexin A6 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Validation of Annexin A6 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Annexin A6 antibody (KVA00622, 1:2,000) and analyzed using BD flow cytometer.