

Annexin IV Rabbit mAb

Catalog No: #49926



Package Size: #49926-1 50ul #49926-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

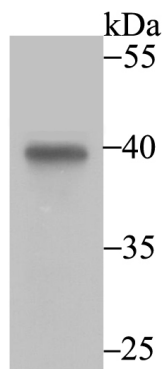
Description

Product Name	Annexin IV Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG37-83
Purification	ProA affinity purified
Applications	WB, ICC, IF, IHC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein within human Annexin IV aa 1-200.
Other Names	35 beta calcimedin antibody 35-beta calcimedin antibody AIV antibody Annexin 4 antibody Annexin A4 antibody Annexin IV (placental anticoagulant protein II) antibody Annexin IV antibody Annexin IV placental anticoagulant protein II antibody Annexin-4 antibody AnnexinA4 antibody AnnexinIV antibody ANX 4 antibody ANX A4 antibody ANX4 antibody ANXA 4 antibody ANXA4 antibody ANXA4 protein antibody ANXA4_HUMAN antibody Carbohydrate binding protein P33/P41 antibody Carbohydrate-binding protein p33/p41 antibody Chromobindin 4 antibody Chromobindin-4 antibody Chromobindin4 antibody DKFZp686H02120 antibody Endonexin I antibody EndonexinI antibody Lipocortin IV antibody LipocortinIV antibody MGC75105 antibody OTTHUMP00000160052 antibody OTTHUMP00000202207 antibody P32.5 antibody P33/41 antibody PAP II antibody PAP-II antibody PAPII antibody PIG 28 antibody PIG28 antibody Placental anticoagulant protein II antibody PP4 X antibody PP4-X antibody PP4X antibody Proliferation inducing gene 28 antibody Proliferation inducing protein 28 antibody Protein II antibody Xanx-4 antibody ZAP 36 antibody ZAP36 antibody
Accession No.	Swiss-Prot#:P09525
Uniprot	P09525
GeneID	307;
Calculated MW	36 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

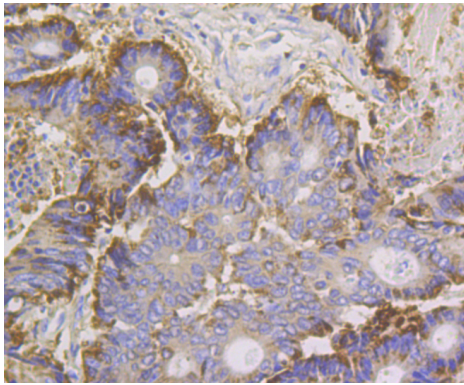
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC/IF: 1:50-1:200FC: 1:50-1:100

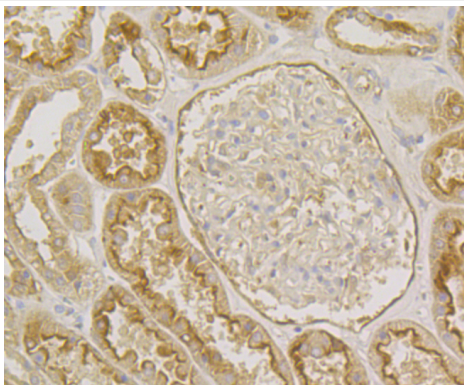
Images



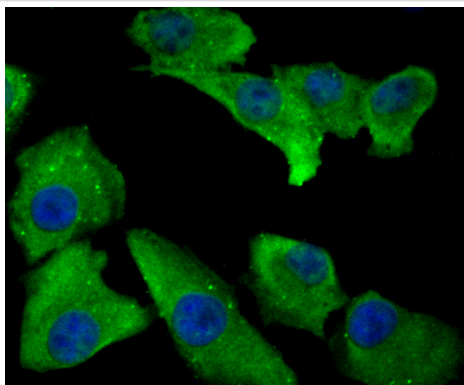
Western blot analysis of Annexin IV on human liver tissue lysate using anti-Annexin IV antibody at 1/2,000 dilution.



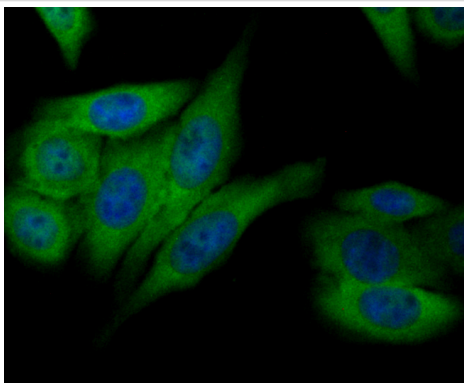
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Annexin IV antibody. Counter stained with hematoxylin.



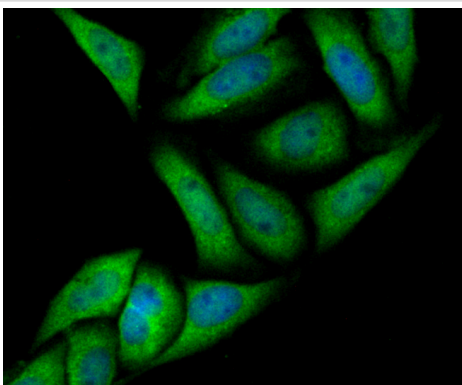
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Annexin IV antibody. Counter stained with hematoxylin.



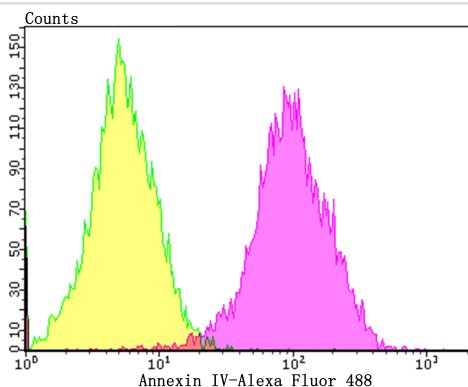
ICC staining Annexin IV in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Annexin IV in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Annexin IV in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HepG2 cells with Annexin IV antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

The annexin family of calcium-binding proteins is composed of at least ten mammalian genes. It is characterized by a conserved core domain which binds to phospholipids in a Ca^{++} -dependent manner and a unique amino terminal region which may confer binding specificity. Annexin family members have been implicated as regulators of such diverse processes as ion flux, endocytosis and exocytosis, and cellular adhesion. For example, the crystal structure of Annexin III has suggested a hydrophilic amino terminus with possible Ca^{++} channel activity. Similarly, Annexin V has ion channel properties. Annexin IV, also referred to as endonexin, functions to regulate Cl^- flux by mediating calmodulin kinase II (CaMKII) activity and Annexin V has been shown to regulate PKC activity.

References

Note: This product is for in vitro research use only