Product Datasheet

Annexin V Rabbit mAb

Catalog No: #49376

Package Size: #49376-1 50ul #49376-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

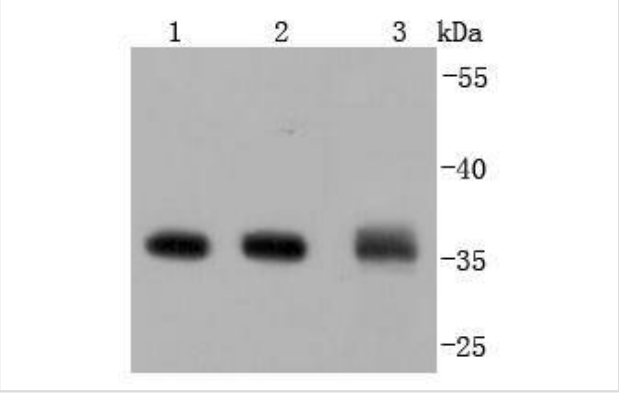
Description

Product Name	Annexin V Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF50-11
Purification	ProA affinity purified
Applications	WB, ICC/IF, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Anchorin CII antibody Annexin 5 antibody Annexin A5 antibody Annexin V antibody Annexin-5 antibody ANX A5 antibody ANX5 antibody ANXA5 antibody ANXA5_HUMAN antibody Calphobindin I antibody CBP-I antibody Endonexin II antibody ENX2 antibody Lipocortin V antibody PAP I antibody PAP-I antibody Placental anticoagulant protein 4 antibody Placental anticoagulant protein I antibody PLACENTAL PROTEIN 4 antibody Pp4 antibody Thromboplastin inhibitor antibody VAC-alpha antibody Vascular anticoagulant-alpha antibody
Accession No.	Swiss-Prot#:P08758
Uniprot	P08758
GeneID	308;
Calculated MW	36 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

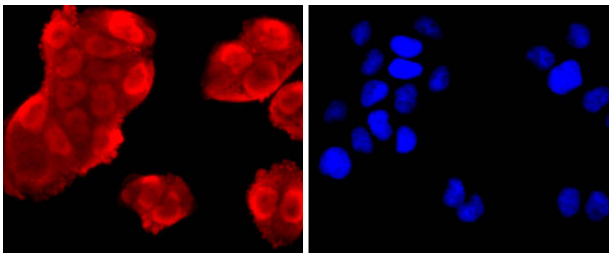
Application Details

WB: 1:1,000ICC: 1:100-1:500FC: 1:50-1:100

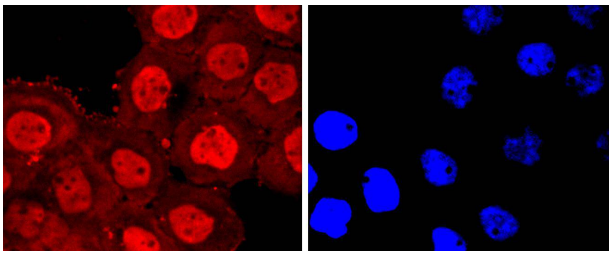
Images



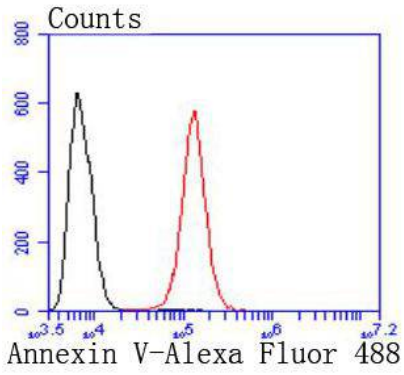
Western blot analysis of Annexin V on different lysates using anti-Annexin V antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela Lane 2: HepG2 Lane 3: JAR



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



ICC staining Annexin V in A431 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with Annexin V antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). 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 and is characterized by a conserved core domain, which binds phospholipids in a Ca2+-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 Ca2+ 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. Annexin V is ubiquitously expressed at high levels in tissues and cells grown in tissue culture, while Annexin VIII exhibits a more limited distribution. Where co-expressed in the same tissues, Annexin VIII is often expressed at a 100-fold lower level than Annexin V. However, Annexin VIII is preferentially expressed in acute promyelocytic leukemia (APL) cells, which may relate to its role in hematopoietic cell differentiation.

References

Note: This product is for in vitro research use only