

For Research Use Only

# Annexin V Recombinant antibody, PBS Only

Catalog Number: 83929-2-PBS



## Basic Information

<b>Catalog Number:</b> 83929-2-PBS	<b>GenBank Accession Number:</b> BC001429	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 308	<b>CloneNo.:</b> 240621B10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P08758	
<b>Isotype:</b> IgG	<b>Full Name:</b> annexin A5	
<b>Immunogen Catalog Number:</b> AG0741	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 32-36 kDa	

## Applications

**Tested Applications:**  
IHC, IF/ICC, FC (Intra), ELISA

**Species Specificity:**  
human

## Background Information

Annexin A5 (ANXA5), is a member of the structurally related family of annexin 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-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII.

## Storage

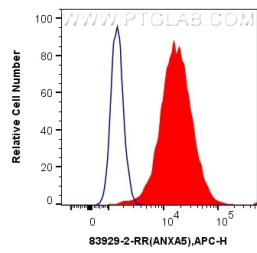
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

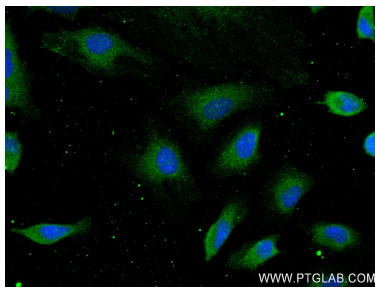
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

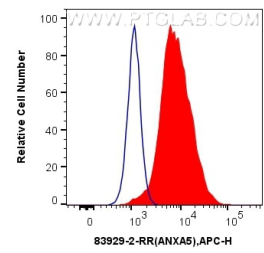
Selected Validation Data



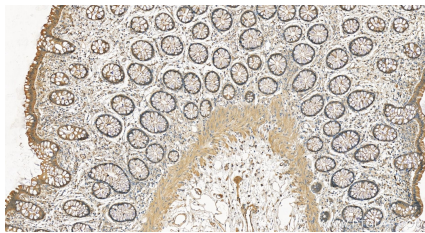
1x10<sup>6</sup> PC-3 cells were intracellularly stained with 0.25 ug Anxa5 Recombinant Antibody (83929-2-RR, Clone:240621B10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83929-2-PBS in a different storage buffer formulation.



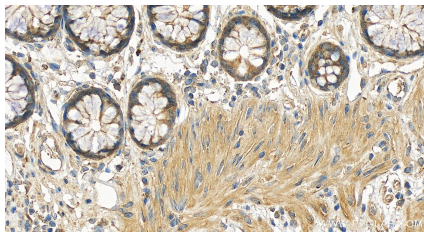
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ANXA5 antibody (83929-2-RR, Clone: 240621B10 ) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83929-2-PBS in a different storage buffer formulation.



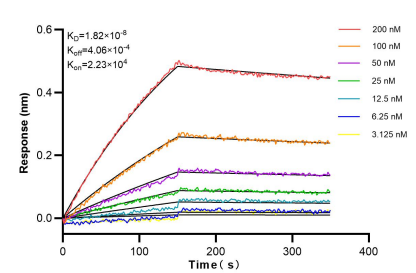
1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug Anxa5 Recombinant Antibody (83929-2-RR, Clone:240621B10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83929-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 83929-2-RR (ANXA5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83929-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 83929-2-RR (ANXA5 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83929-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83929-2-RR against Human ANXA5 were performed. The affinity constant is 18.2 nM.