

For Research Use Only

Annexin V Monoclonal antibody

Catalog Number: 66245-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number:

66245-1-Ig

GenBank Accession Number:

BC001429

Purification Method:

Protein G purification

Size:

150ul, Concentration: 1400 ug/ml by Nanodrop and 933 ug/ml by Bradford method using BSA as the standard;

GeneID (NCBI):

308

CloneNo.:

1E6A8

Source:

Mouse

UNIPROT ID:

P08758

Recommended Dilutions:

WB: 1:5000-1:50000

Isotype:

IgG1

Full Name:

annexin A5

IHC: 1:50-1:500

IF/ICC: 1:400-1:1600

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Immunogen Catalog Number:

AG1538

Calculated MW:

36 kDa

Observed MW:

36 kDa

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, pig

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MG-63 cells, HEK-293 cells, HeLa cells, human urine exosomes tissue, mouse brain tissue, Raw 264.7 cells, NIH/3T3 cells, K-562 cells, HepG2 cells, U-87 MG cells, MDA-MB-231 cells, pig brain tissue

IHC : human malignant melanoma tissue, human colon tissue, human spleen tissue

IF/ICC : HeLa cells,

FC (Intra) : NIH/3T3 cells, HeLa cells

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zahrasadat Navaeiseddighi	38060620	PLoS Pathog	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

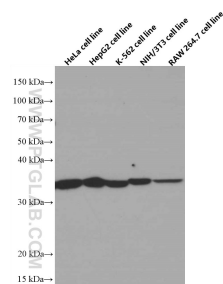
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

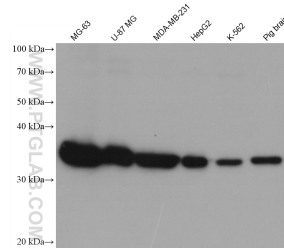
E: proteintech@ptglab.com
W: ptglab.com

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

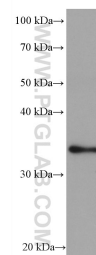
Selected Validation Data



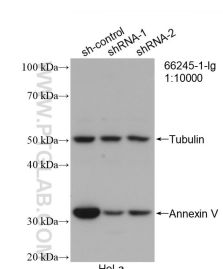
Various cells were subjected to SDS PAGE followed by western blot with 66245-1-Ig (Annexin V antibody) at dilution of 1:13000 incubated at room temperature for 1.5 hours.



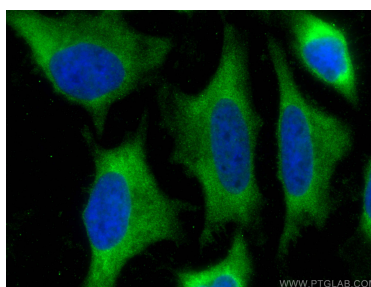
Various lysates were subjected to SDS PAGE followed by western blot with 66245-1-Ig (Annexin V antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



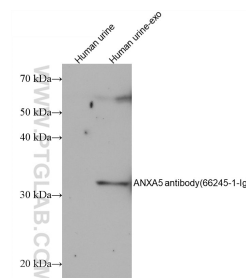
Mouse brain tissue were subjected to SDS PAGE followed by western blot with 66245-1-Ig (Annexin V antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



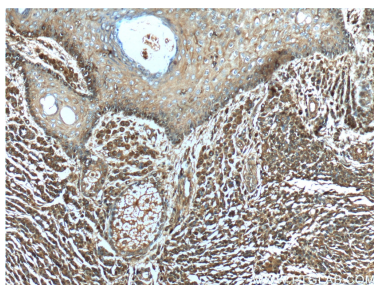
WB result of Annexin V antibody (66245-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Annexin V transfected HeLa cells.



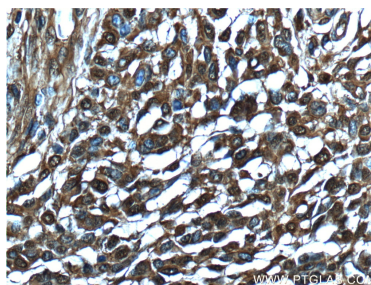
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Annexin V antibody (66245-1-Ig, Clone: 1E6A8) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



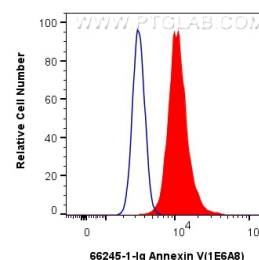
Various lysates were subjected to SDS PAGE followed by western blot with 66245-1-Ig (Annexin V antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



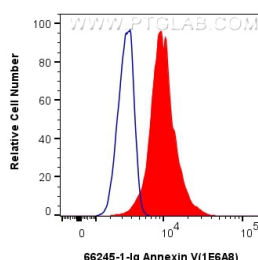
Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 66245-1-Ig (Annexin V antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 66245-1-Ig (Annexin V antibody) at dilution of 1:200 (under 40x lens).



1x10⁶ NIH/3T3 cells were intracellularly stained with 0.25 ug Annexin V Monoclonal antibody (66245-1-Ig, Clone:1E6A8) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.25 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Annexin V Monoclonal antibody (66245-1-Ig, Clone:1E6A8) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).