

Datasheet for 600-401-P51**Annexin A5 Antibody****Overview**

Description:	Anti-Annexin A5 (RABBIT) Antibody - 600-401-P51
Item No.:	600-401-P51
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Annexin V also known as endonexin II (ENX2), or placental protein 4 (PP4). Endonexin II is a member of the family of Ca(2+)-dependent phospholipid binding proteins, known as annexins. It binds to the phospholipids that are preferentially located on the cytosolic face of the plasma membrane. It has a relative molecular weight of about 35,000. The gene lies on mouse chromosome 3 in close linkage with the fibroblast growth factor 2 (basic) gene and is syntenic with other genes known to have orthologous counterparts on human chromosome 4q. The PP4 cDNA encoded a protein of 320 amino acid residues. A single mRNA, approximately 1.6 kb long, was found to be expressed in human cell lines and placenta. PP4 is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. This antibody is suitable for researchers interested in cell signaling, apoptosis and neuroscience research.
Synonyms:	Anchorin CII, Annexin V, Annexin-5, Calphobindin I,
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ANXA5
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Annexin A5 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human Annexin V.
Purity/Specificity:	Anti-Annexin A5 antibody is directed against human Annexin V protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human, rat, and mouse based on 100% homology for the immunogen sequence. Cross reactivity with Annexin A5 from other sources has not been determined.
Relevant Links:	• UniProtKB - P08758 • GeneID - 308 • NCBI - NP_001145.1

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Annexin A5 is tested for Immunohistochemistry-P, immunocytochemistry, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~35.9 kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	0.5-1µg/ml
WB:	0.1-0.5µg/ml

Formulation

Physical State:	Lyophilized
Concentration:	0.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃
Preservative:	0.05mg Thimerosal
Stabilizer:	5mg BSA
Reconstitution Volume:	200µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

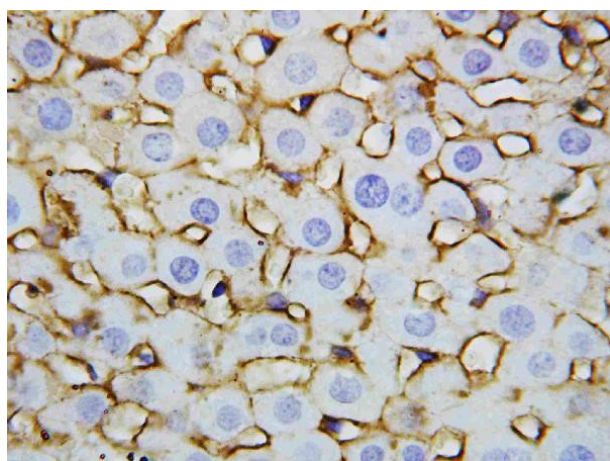
Shipping & Handling

Shipping Condition: Ambient

Storage Condition: Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

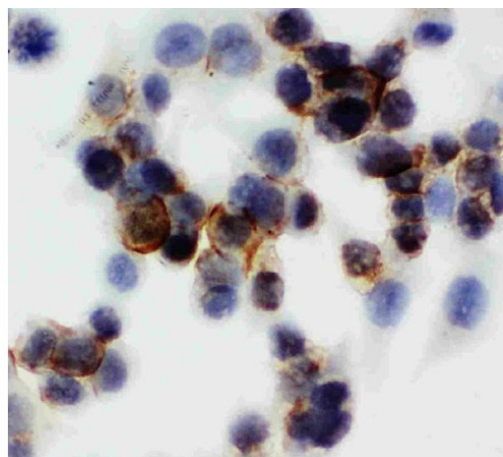
Expiration: Expiration date is one (1) year from date of receipt.

Images



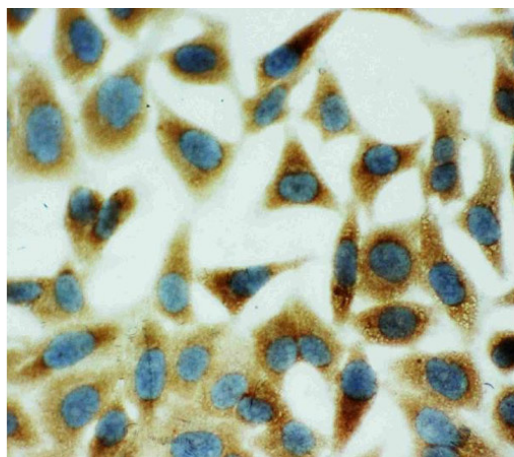
Immunohistochemistry

Immunohistochemistry of Anti-Annexin V antibody.
Tissue: Rat Liver Tissue. IHC(P).



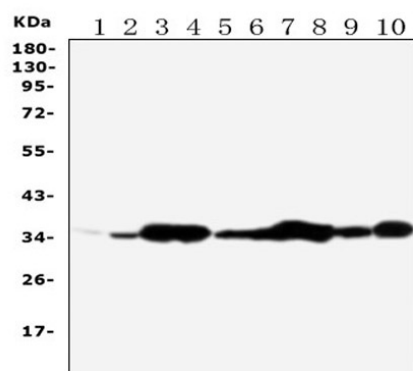
Immunocytochemistry

Immunocytochemistry of Anti-Annexin V antibody.
Cells: HCT116.



Immunocytochemistry

Immunocytochemistry of Anti-Annexin V antibody.
 Cells: HeLa.



Western Blot

Western Blot of Anti-Annexin V antibody.

Lysate/Load: Lane 1: Rat Brain Tissue Lysate at 50ug, Lane 2: Rat Skeletal Muscle Tissue Lysate at 50ug, Lane 3: Rat Ovary Tissue Lysate at 50ug, Lane 4: Rat Lung Tissue Lysate at 50ug, Lane 5: MCF-7 Whole Cell Lysate at 40ug, Lane 6: SMMC Whole Cell Lysate at 40ug, Lane 7: A549 Whole Cell Lysate at 40ug, Lane 8: JURKAT Whole Cell Lysate at 40ug, Lane 9: SGC Whole Cell Lysate at 40ug, Lane 10: HT1080 Whole Cell Lysate at 40ug.

Primary Antibody: Anti Annexin V at 0.5ug/ml.

Predicted bind size: 36KD/Observed bind size: 36KD.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.