

Datasheet for ABIN3043502
anti-Annexin V antibody (AA 2-320)

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Overview

Quantity:	100 µg
Target:	Annexin V (ANXA5)
Binding Specificity:	AA 2-320
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Annexin A5(ANXA5) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat.
Immunogen:	E.coli-derived human Annexin V recombinant protein (Position: A2-D320). Human Annexin V shares 94% and 92% amino acid (aa) sequences identity with mouse and rat Annexin V, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Annexin A5(ANXA5) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat. Gene Name: annexin A5 Protein Name: Annexin A5

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: Annexin V (ANXA5)

Alternative Name: ANXA5 ([ANXA5 Products](#))

Background: Annexin A5 (or annexin V) is a cellular protein in the annexin group. It is mapped to 4q27. Annexin A5 has been proposed to play a role in the inhibition of blood coagulation by competing for phosphatidylserine binding sites with prothrombin and also to inhibit the activity of phospholipase A1. This protein is an anticoagulant protein, it can form a shield around negatively-charged phospholipid molecules, the formation of an annexin A5 shield blocks the entry of phospholipids into coagulation (clotting) reactions. And Annexin A5 can also act as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.

Synonyms: Anchorin CII antibody|Annexin 5 antibody|Annexin A5 antibody|Annexin V antibody|Annexin-5 antibody|Annexin5 antibody|AnnexinA5 antibody|AnnexinV antibody|ANX 5 antibody|ANX A5 antibody|ANX5 antibody|ANXA5 antibody|ANXA5_HUMAN antibody|Calphobindin I antibody|CBP I antibody|CBP-I antibody|Endonexin II antibody|ENX 2 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|PP 4 antibody|PP4 antibody|Thromboplastin inhibitor antibody|VAC alpha antibody|VAC-alpha antibody|Vascular anticoagulant alpha antibody|Vascular anticoagulant-alpha antibody

Gene ID: 308

UniProt: [P08758](#)

Pathways: [Apoptosis](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, The detection limit for Annexin V is approximately 0.25 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

Application Details

IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Rat

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and IHC(F).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

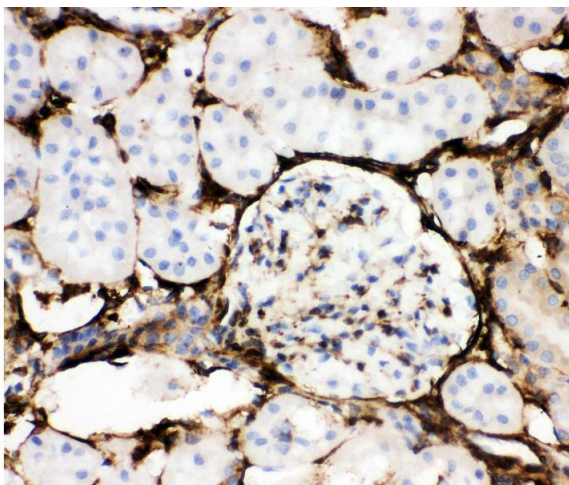
Publications

Product cited in: Liu, Hong, Li, Ren, Wang, Xu, Shi, Xu: "A Cross Talk Between BRG1 and Males Absent on the First Contributes to Reactive Oxygen Species Production in a Mouse Model of Nonalcoholic Steatohepatitis." in: **Antioxidants & redox signaling**, (2018) ([PubMed](#)).

Meyer, Fredette, Daniel, Sharma, Amann, Arterburn, Barton, Prossnitz: "Obligatory role for GPER in cardiovascular aging and disease." in: **Science signaling**, Vol. 9, Issue 452, pp. ra105, (2017) ([PubMed](#)).

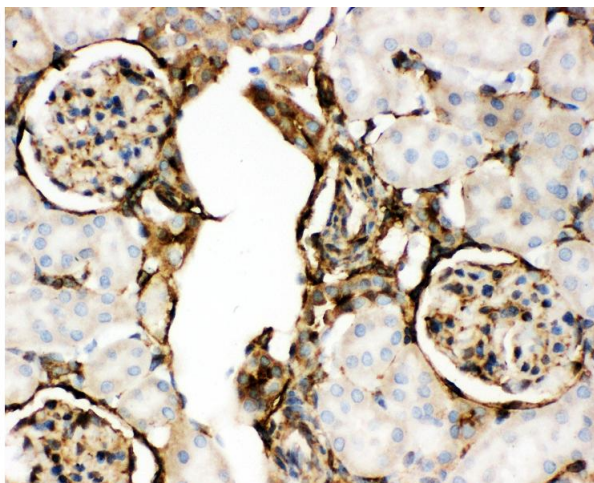
There are more publications referencing this product on: [Product page](#)

Images



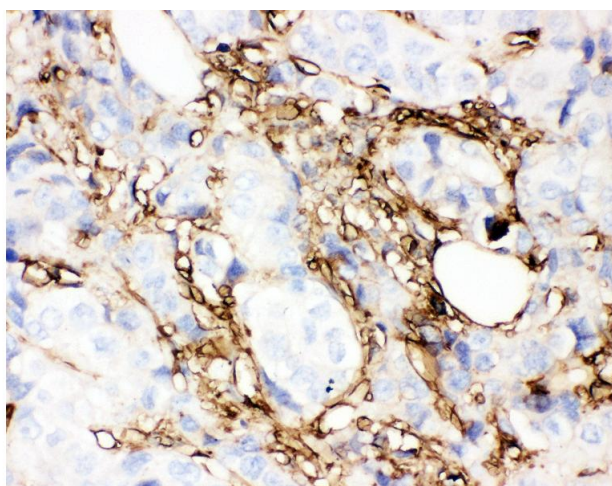
Immunohistochemistry

Image 1. Anti-Annexin V Picoband antibody, IHC(P): Mouse Kidney Tissue



Immunohistochemistry

Image 2. Anti-Annexin V Picoband antibody, IHC(P): Rat Kidney Tissue



Immunohistochemistry

Image 3. Anti-Annexin V Picoband antibody, IHC(P): Human Mammary Cancer Tissue

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3043502.