

Datasheet for ABIN3044315
anti-Annexin V antibody (Middle Region)

5 Images

7 Publications

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Overview

| | |
|----------------------|---|
| Quantity: | 100 µg |
| Target: | Annexin V (ANXA5) |
| Binding Specificity: | AA 88-102, Middle Region |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-----------------------------|---|
| Purpose: | Rabbit IgG polyclonal antibody for Annexin A5(ANXA5) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat. |
| Immunogen: | A synthetic peptide corresponding to a sequence in the middle region of human Annexin V(88-102aa SRLYDAYELKHALKG), identical to the related rat and mouse sequences. |
| Sequence: | SRLYDAYELK HALKG |
| Isotype: | IgG |
| Cross-Reactivity (Details): | <p>Predicted Cross Reactivity: mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p> |
| Characteristics: | Rabbit IgG polyclonal antibody for Annexin A5(ANXA5) detection. Tested with WB, IHC-P, ICC in |

Product Details

Human,Mouse,Rat.

Gene Name: annexin A5

Protein Name: Annexin A5

Purification: Immunogen affinity purified.

Target Details

Target: Annexin V (ANXA5)

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

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.

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

UniProt: [P08758](#)

Pathways: [Apoptosis](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse

Application Details

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, 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.

ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human

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 ICC.

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 Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

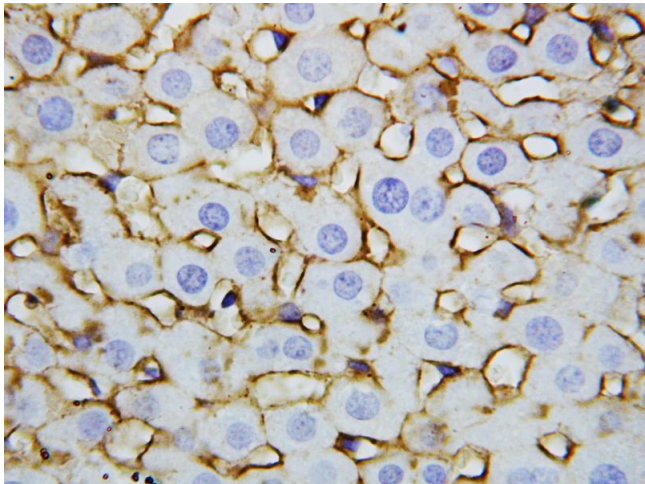
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in: Whiteland, Nicholls, Shimeld, Easty, Williams, Hill: "Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies." in: **The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society**, Vol. 43, Issue 3, pp. 313-20, (1995) ([PubMed](#)).

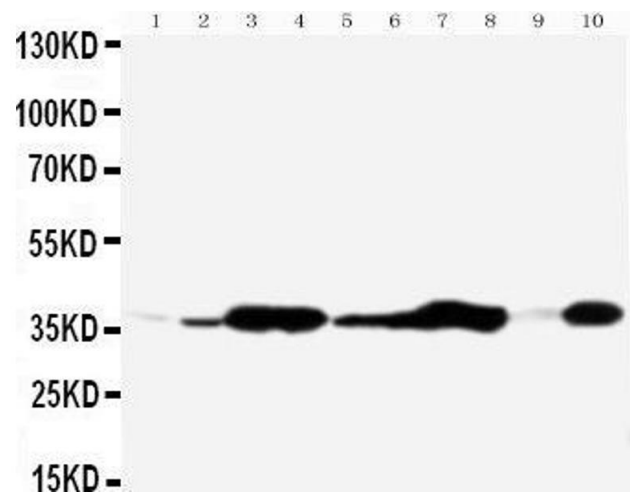
There are more publications referencing this product on: [Product page](#)

Images



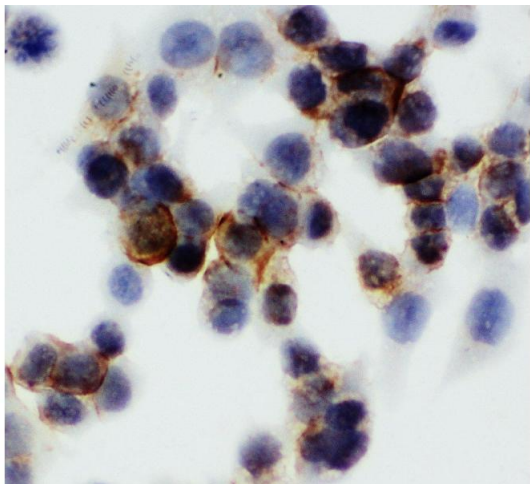
Immunohistochemistry

Image 1. Anti-Annexin V antibody, IHC(P) IHC(P): Rat Liver Tissue



Western Blotting

Image 2. Anti-Annexin V antibody, Western blotting All lanes: Anti Annexin V at 0.5ug/ml 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: Whole Cell Lysate at 40ug Predicted bind size: 36KD Observed bind size: 36KD



Immunohistochemistry

Image 3. Anti-Annexin V antibody, ICC ICC: HCT116 Cell

Images

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3044315.