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# 39-2020: Anti-Annexin V Polyclonal Antibody

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| **Clonality :** | Polyclonal |
| **Application :** | WB,IHC-P,ICC |
| **Reactivity :** | Human, Rat |
| **Gene :** | ANXA5 |
| **Gene ID :** | 308 |
| **Uniprot ID :** | P08758 |
| **Format :** | Lyophilized |
| **Alternative Name :** | Annexin A5; Anchorin CII; Annexin V; Annexin-5; Calphobindin I; CBP-I; Endonexin II; Lipocortin V; Placental anticoagulant protein 4; PP4; Placental anticoagulant protein I; PAP-I; Thromboplastin inhibitor |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | 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. |

## Description

Annexin V also know as endonnexin 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 bind 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.

## Product Info

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| **Amount :** | 100 µg/vial |
| **Purification :** | Immunogen affinity purified. |
| **Content :** | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml. |
| **Storage condition :** | 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. |

## Application Note

Western blot : 0.1-0.5Ã‚Â¼g/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1Ã‚Â¼g/ml; Immunocytochemistry : 0.5-1Ã‚Â¼g/ml

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***

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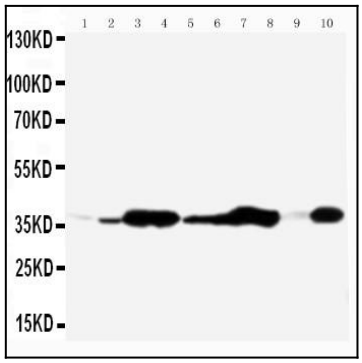



Figure 1: Anti-Annexin V antibody(39-2020). Western blotting: Lanes: Anti Annexin V(39-2020) at 0.5ug/ml with Lane 1: Rat Brain Tissue Lysate at 50ug, Lane 2: Rat Skeletal Muscle Tissue Lysate at 50ug, Lane 3: Rat Ovary Tissue Lysate at 50ug, Lane 4: Rat Lung Tissue Lysate at 50ug, Lane 5: MCF-7 Whole 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 .

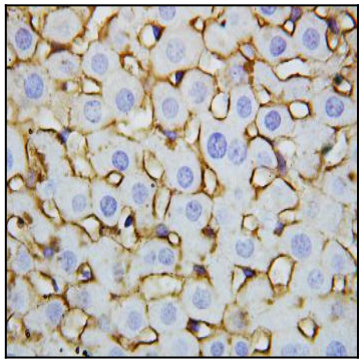


Figure 2: Anti-Annexin V antibody(39-2020). IHC(P): Rat Liver Tissue.

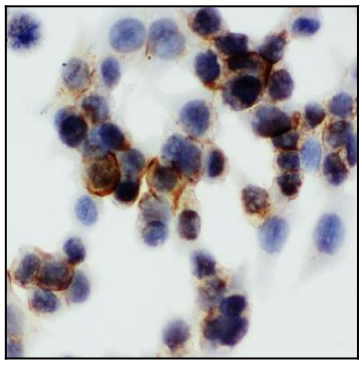


Figure 3: Anti-Annexin V antibody(39-2020). ICC: HCT116 Cell.

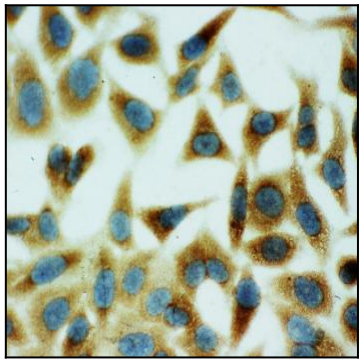


Figure 4: Anti-Annexin V antibody(39-2020). ICC: HELA Cell.

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