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# Annexin IV Rabbit pAb

Annexin IV Rabbit pAb
Catalog # AP56051

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | P09525 |
| **Reactivity** | Human |
| **Predicted** | Rat, Pig, Dog, Mouse, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 35883 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human Annexin IV |
| **Epitope Specificity** | 210-319/319 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | The Annexins are a family of structurally similar proteins. Annexins bind to phospholipids and may be involved in regulation of membrane transport, membrane channel activity, and interaction of the cell membrane with the extracellular matrix. Annexin A4 (ANXA4) belongs to the annexin family of calcium dependent phospholipid binding proteins. Although their functions are still not clearly defined, several members of the annexin family have been implicated in membrane related events along exocytotic and endocytotic pathways. ANXA4 has 45 to 59% identity with other members of its family and shares a similar size and exon intron organization. Isolated from human placenta, ANXA4 encodes a protein that has possible interactions with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. ANXA4 is almost exclusively expressed in epithelial cells. |

## Additional Information

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| **Gene ID** | 307 |
| **Other Names** | Annexin A4, 35-beta calcimedin, Annexin IV, Annexin-4, Carbohydrate-binding protein p33/p41, Chromobindin-4, Endonexin I, Lipocortin IV, P32.5, PP4-X, Placental anticoagulant protein II, PAP-II, Protein II, ANXA4 (HGNC:542), ANX4 |
| **Dilution** | WB=1:500-2000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

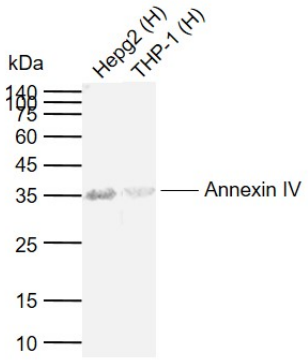
## Protein Information

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| **Name** | ANXA4 ( HGNC:542) |
| **Synonyms** | ANX4 |
| **Function** | Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. |
| **Cellular Location** | Zymogen granule membrane {ECO:0000250\|UniProtKB:P50994}; Peripheral membrane protein {ECO:0000250\|UniProtKB:P50994} |

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## Images




Sample:
Lane 1: Human Hepg2 cell lysates
Lane 2: Human THP-1 cell lysates
Primary: Anti- Annexin IV (AP56051) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 35 kDa
Observed band size: 35 kDa

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