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**Product Name: ANXA1 Mouse Monoclonal Antibody****Catalog #: AMM81171**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Mouse monoclonal Antibody   |
| <b>Host</b>          | Mouse   |
| <b>Application</b>   | WB,IHC,ELISA  |
| <b>Reactivity</b>    | Human,Mouse,Monkey  |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | Mouse IgG1  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide                            |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000 |
| <b>Molecular Weight</b> | 38.7kDa   |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | ANXA1   |
| <b>Alternative Names</b> | ANX1; LPC1  |
| <b>Gene ID</b>           | 301.0   |
| <b>SwissProt ID</b>      | P04083  |
| <b>Immunogen</b>         | Purified recombinant fragment of human ANXA1 (AA: 144-248 ) expressed in E. Coli. |

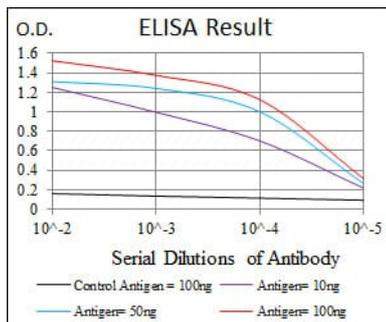
**Background**

Annexin I belongs to a family of Ca(2+)-dependent phospholipid binding proteins which have a molecular weight of approximately 35,000 to 40,000 and are preferentially located on the cytosolic face of the plasma membrane. Annexin I protein has an apparent relative molecular mass of 40 kDa, with phospholipase A2 inhibitory activity. Since phospholipase A2 is

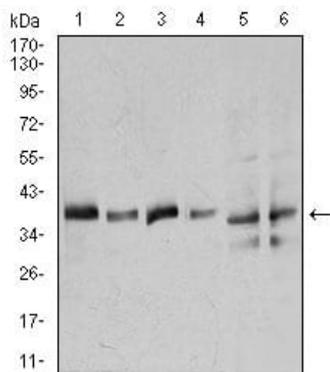
required for the biosynthesis of the potent mediators of inflammation, prostaglandins and leukotrienes, annexin I may have potential anti-inflammatory activity.

## Research Area

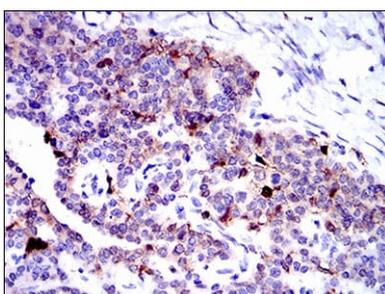
### Image Data



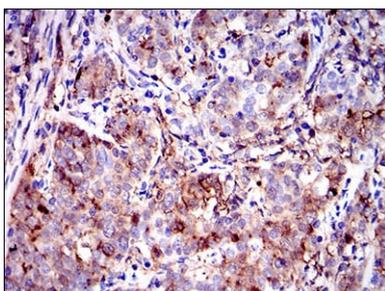
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using ANXA1 mouse mAb against Hela (1), A549 (2), K562 (3), NIH3T3 (4), C6 (5), and COS7 (6) cell lysate.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using ANXA1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using ANXA1 mouse mAb with DAB staining.