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# **Human Annexin A1/ANXA1 antibody**

Catalog Number: ATGA0336

## **PRODUCT INFORMATION**

## Catalog number

ATGA0336

## Clone No.

AT2G5

## **Product type**

Monoclonal Antibody

#### UnitProt No.

P04083

#### **NCBI Accession No.**

NP 000691

#### **Alternative Names**

Annexin I, Annexin-1, Calpactin II, Calpactin-2, Chromobindin-9, Lipocortin I, phospholipase A2 inhibitory protein, p35, Annexin Ac2-26, ANX1, LPC1

## **PRODUCT SPECIFICATION**

## **Antibody Host**

Mouse

#### **Reacts With**

Human

## **Concentration**

1mg/ml (determined by BCA assay)

## **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

## **Immunogen**

Recombinant human Annexin A1 (1-346aa) purified from E.coli

## Isotype

IgG1 kappa

## **Purification Note**

By protein-A affinity chromatography

## **Application**

ELISA, WB

## **Usage**

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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## **Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

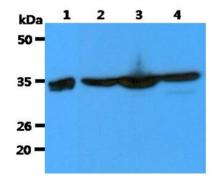
Annexin A1, also known as Lipocortin I, belongs to a family of Ca (2+) -dependent phospholipid binding proteins that are preferentially located on the cytosolic face of the plasma membrane. It promotes membrane fusion and is also involved in exocytosis. Since Annexin A1 has phospholipase A2 inhibitory activity to bind from two to four calcium ions with high affinity, this protein may have potential anti-inflammatory activity. The detection of this protein by immunocytochemical means reportedly provides a simple, highly sensitive and specific assay for diagnosis of hairy cell leukemia.

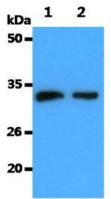
#### **General References**

Lim L.H., et al. (2007) FASEB J. 21(4): 968-975. Kovacic R.T., et al. (1991) Biochemistry. 30(37): 9015-9021.

## **DATA**

## Western blot analysis (WB)





The Recombinant protein (10ng) and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Annexin A1 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Recombinant Human Annexin A1

Lane 2.: HeLa cell lysate Lane 3.: A549 cell lysate Lane 4.: A431 cell lysate

The cell lysates of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Annexin A1 antibody. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Anti- Annexin A1 antibody (1:10000) Lane 2.: Anti- Annexin A1 antibody (1:20000)

