

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.

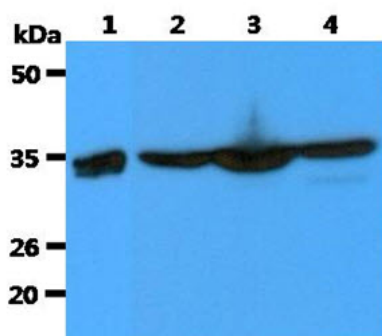
General References

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)



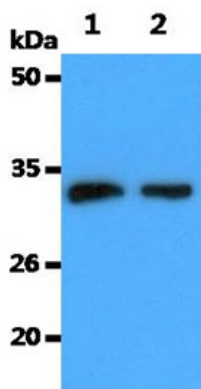
The Recombinant protein (10ng) and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Annexin A1 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

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)