

## Basic Information

|                           |   |  |
|---------------------------|---|--|
| <b>Product Name</b>       | Anti-Annexin A4/ANXA4 Antibody  |  |
| <b>Gene Name</b>          | ANXA4   |  |
| <b>Source</b>             | Rabbit  |  |
| <b>Isotype</b>            | IgG   |  |
| <b>Species Reactivity</b> | human, mouse, rat   |  |
| <b>Tested Application</b> | WB, IHC, FCM, ELISA   |  |
| <b>Contents</b>           | 500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg BSA and 50% glycerol.  |  |
| <b>Immunogen</b>          | E.coli-derived human Annexin-4/ANXA4 recombinant protein (Position: M1-D319).   |  |
| <b>concentration</b>      | 500 ug/ml   |  |
| <b>Purification</b>       | Immunogen affinity purified.  |  |
| <b>Observed MW</b>        | 36KD  |  |
| <b>Dilution Ratios</b>    | Western blot(WB): 1:500-2000<br>(ELISA): 1:100-1000<br>Flow cytometry (FCM): 1-3 µg/1x10 <sup>6</sup> cells<br>Immunohistochemistry in paraffin section (IHC): 1:50-400<br>(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user. |  |

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

ANXA4 (Annexin A4), also known as ANX4, is a protein that in humans is encoded by the ANXA4 gene. It belongs to the annexin family of calcium-dependent phospholipid binding proteins. By PCR analysis of somatic cell hybrids and in situ hybridization with a cDNA probe, the human ANXA4 gene is mapped to chromosome 2p13. 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. And ANXA4 is almost exclusively expressed in epithelial cells.

## Selected Validation Data

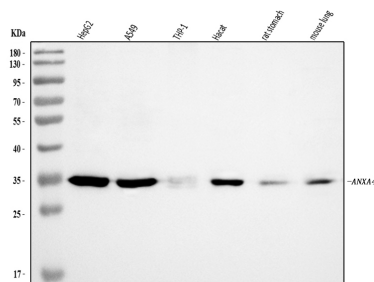


Figure 1. Western blot analysis of anti- ANXA4 antibody (A04840-2).

The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: HepG2 whole cell lysates,

Lane 2: A549 whole cell lysates,

Lane 3: THP-1 whole cell lysates,

Lane 4: Hacat whole cell lysates,

Lane 5: rat stomach tissue lysates,

Lane 6: mouse lung tissue lysates.

Use rabbit anti- ANXA4 1:1000, probed with a goat anti-rabbit IgG-

HRP secondary antibody. The signal is developed using an

Enhanced Chemiluminescent detection (ECL) kit (Catalog #

EK1002). A specific band was detected for ANXA4 at approximately

36KD. The expected band size for ANXA4 is at 36KD.