

## Anti-Annexin VII/ANXA7 Antibody Picoband™

Catalog Number: A04889

### About ANXA7

ANXA7 (Annexin A7), also known as ANX7 or SNX, is a protein that in humans is encoded by the ANXA7 gene. Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. This gene is mapped to 10q21.1-q21.2 by study of somatic cell hybrids and by in situ hybridization. The ANX7 gene exhibits many biologic and genetic properties expected of a tumor suppressor gene and may play a role in prostate cancer progression. Based on studies of recombinant human ANXA7 and isolated bovine chromaffin cells, it is showed that ANXA7 is a Ca (2+)-dependent GTP binding protein. ANXA7 was active in a chromaffin granule aggregation assays in the presence of Ca (2+) and GTP, and was deactivated upon GTP hydrolysis.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Annexin VII/ANXA7 Antibody Picoband™   |
| Reactive Species     | Human   |
| Description          | Boster Bio Anti-Annexin VII/ANXA7 Antibody Picoband™ catalog # A04889. Tested in WB applications. This antibody reacts with Human.  |
| Application          | WB  |
| Clonality            | Polyclonal G9   |
| Formulation          | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.   |
| Storage Instructions | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Host                 | Rabbit  |
| Uniprot ID           | P20073  |

### Technical Details

|                               |  |
|-------------------------------|--|
| Immunogen                     | A synthetic peptide corresponding to a sequence at the C-terminus of human Annexin VII, different from the related mouse sequence by one amino acid. |
| Predicted Reactive Species    | Hamster  |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.  |
| Cross Reactivity              | No cross reactivity with other proteins.   |
| Form                          | Lyophilized  |
| Concentration                 | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.   |

|                     |  |
|---------------------|--|
| Purification        | Immunogen affinity purified.   |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p> |

## Anti-Annexin VII/ANXA7 Antibody Picoband™ (A04889) Images



Western blot analysis of Annexin VII expression in JURKAT whole cell lysates (lane 1). Annexin VII at 52KD was detected using rabbit anti-Annexin VII Antigen Affinity purified polyclonal antibody (Catalog # A04889) at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

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