

## Anti-NCKAP1 Antibody Picoband™

Catalog Number: A09238-1

### About NCKAP1

Nck-associated protein 1 is a protein that in humans is encoded by the NCKAP1 gene. By somatic cell hybrid analysis, the NCKAP1 gene was mapped to chromosome 2. NCKAP1 is a predicted type II transmembrane protein, with a C-terminal transmembrane domain. It was demonstrated that suppression of NCKAP1 expression using an antisense NCKAP1 oligonucleotide induced apoptosis of neuronal cells.

### Overview

|                      |                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-NCKAP1 Antibody Picoband™                                                                                                                                                                        |
| Reactive Species     | Human, Mouse, Rat                                                                                                                                                                                     |
| Description          | Boster Bio Anti-NCKAP1 Antibody Picoband™ catalog # A09238-1. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.                                                                 |
| Application          | WB                                                                                                                                                                                                    |
| Clonality            | Polyclonal                                                                                                                                                                                            |
| 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           | Q9Y2A7                                                                                                                                                                                                |

### Technical Details

|                               |                                                                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                     | E.coli-derived human NCKAP1 recombinant protein (Position: S2-K201). Human NCKAP1 shares 98.5% and 98% amino acid (aa) sequence identity with mouse and rat NCKAP1, respectively. |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.                                                                                   |
| Cross Reactivity              | No cross-reactivity with other proteins.                                                                                                                                          |
| Isotype                       | Rabbit IgG                                                                                                                                                                        |
| Form                          | Lyophilized                                                                                                                                                                       |
| Concentration                 | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                         |
| Purification                  | Immunogen affinity purified.                                                                                                                                                      |
| Suggested Dilutions           | Dilute the sample so that the expected range of concentrations fall within the detection range of this                                                                            |

kit.

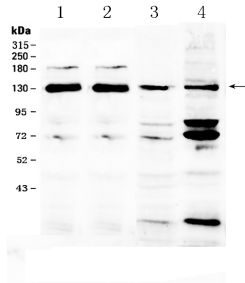
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

## Anti-NCKAP1 Antibody Picoband™ (A09238-1) Images



**Figure 1. Western blot analysis of NCKAP1 using anti-NCKAP1 antibody (A09238-1).**

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates,

Lane 2: mouse brain tissue lysates,

Lane 3: MCF-7 whole Cell lysates,

Lane 4: 293T whole cell lysates.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes.

Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NCKAP1 antigen affinity purified polyclonal antibody (Catalog # A09238-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NCKAP1 at approximately 129KD. The expected band size for NCKAP1 is at 129KD.

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