

## Anti-RASGRF2 Antibody Picoband®

Catalog Number: A06617-1

### About RASGRF2

RAS GTPases cycle between an inactive GDP-bound state and an active GTP-bound state. This gene encodes a calcium-regulated nucleotide exchange factor activating both RAS and RAS-related protein, RAC1, through the exchange of bound GDP for GTP, thereby, coordinating the signaling of distinct mitogen-activated protein kinase pathways.

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### Overview

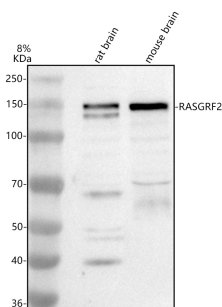
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-RASGRF2 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactive Species     | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Description          | Boster Bio Anti-RASGRF2 Antibody Picoband® catalog # A06617-1. Tested in WB, IHC, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Application          | ELISA, IHC, WB                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clonality            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Formulation          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                                                                                                                                                                                                                                            |
| Storage Instructions | 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 freezing and thawing.                                                                                                                                                                                                                                    |
| Host                 | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Uniprot ID           | O14827                                                                                                                                                                                                                                                                                                                                                                                                                               |

### Technical Details

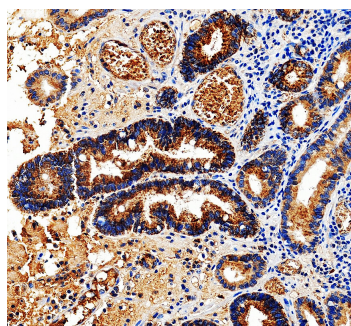
|               |                                                                           |
|---------------|---------------------------------------------------------------------------|
| Immunogen     | E.coli-derived human RASGRF2 recombinant protein (Position: M1-R860).     |
| Form          | Lyophilized                                                               |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |

|                     |                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Purification        | Immunogen affinity purified.                                                                                                          |
| Suggested Dilutions | Western blot, 0.25-0.5 ug/ml, Mouse, Rat<br>Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human<br>ELISA, 0.1-0.5 ug/ml |

## Anti-RASGRF2 Antibody Picoband® (A06617-1) Images



Western blot analysis of RASGRF2 using anti-RASGRF2 antibody (A06617-1). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-RASGRF2 antigen affinity purified polyclonal antibody (A06617-1) 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 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for RASGRF2 at approximately 150 kDa. The expected band size for RASGRF2 is at 141 kDa.



IHC analysis of RASGRF2 using anti-RASGRF2 antibody (A06617-1). RASGRF2 was detected in a paraffin-embedded section of human stomach cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-RASGRF2 Antibody (A06617-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

### Anti-RASGRF2 Antibody

For Research Use Only. Not for use in diagnostic procedures.