

Anti-TAS1R2 Antibody Picoband®

Catalog Number: A08729-2

About TAS1R2

T1R2 - Taste receptor type 1 member 2 is a protein that in humans is encoded by the TAS1R2 gene. TAS1R2/TAS1R3 recognizes diverse natural and synthetic sweeteners.

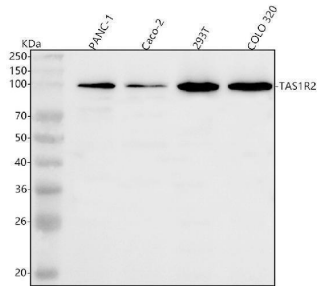
Overview

Product Name	Anti-TAS1R2 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-TAS1R2 Antibody Picoband® catalog # A08729-2. Tested in WB, ELISA applications. This antibody reacts with Human. 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, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
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	Q8TE23

Technical Details

Immunogen	E.coli-derived human TAS1R2 recombinant protein (Position: Y96-D839). Human TAS1R2 shares 69.6% and 71% amino acid (aa) sequence identity with mouse and rat TAS1R2, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 µg/ml, Human ELISA, 0.1-0.5 µg/ml, -

Anti-TAS1R2 Antibody Picoband® (A08729-2) Images



Western blot analysis of TAS1R2 using anti-TAS1R2 antibody (A08729-2). 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 30 ug of sample under reducing conditions. Lane 1: human PANC-1 whole cell lysates, Lane 2: human Caco-2 whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: human COLO 320 whole cell 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-TAS1R2 antigen affinity purified polyclonal antibody (Catalog # A08729-2) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for TAS1R2 at approximately 100 kDa. The expected band size for TAS1R2 is at 95 kDa.

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Anti-TAS1R2 Antibody

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