BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-CD316/IGSF8 Antibody Picoband®

**Catalog Number:** A06844-2

## About IGSF8

Immunoglobulin superfamily member 8 is a protein that in humans is encoded by the IGSF8 gene. This gene encodes a member the EWI subfamily of the immunoglobulin protein superfamily. Members of this family contain a single transmembrane domain, an EWI (Glu-Trp-Ile)-motif and a variable number of immunoglobulin domains. This protein interacts with the tetraspanins CD81 and CD9 and may regulate their role in certain cellular functions including cell migration and viral infection. The encoded protein may also function as a tumor suppressor by inhibiting the proliferation of certain cancers. Alternate splicing results in multiple transcript variants that encode the same protein.

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## Overview

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| Product Name | Anti-CD316/IGSF8 Antibody Picoband® |
| Reactive Species | Human, Rat |
| Description | Boster Bio Anti-CD316/IGSF8 Antibody Picoband® catalog # A06844-2. Tested in ELISA, WB applications. This antibody reacts with Human, 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, WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| 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 | Q969P0 |

## Technical Details

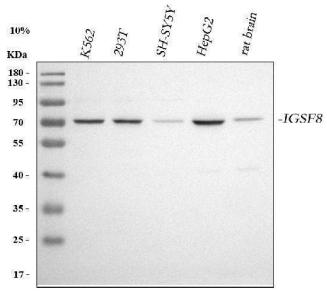
| | |
|---|---|
| Immunogen | E.coli-derivedhumanCD316/IGSF8recombinantprotein(Position:D73-D578).HumanIGSF8shares?91.3%?amino?acid?(aa)?sequence?identity?withmouseIGSF8. |

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| 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 | IgG |
| 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 ug/ml, Human, Rat<br>ELISA, 0.1-0.5 ug/ml, - |

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# Anti-CD316/IGSF8 Antibody Picoband® (A06844-2) Images




Western blot analysis of CD316/IGSF8 using anti-CD316/IGSF8 antibody (A06844-2). 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 K562 whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human A431 whole cell lysates, Lane 4: human SH-SY5Y whole cell lysates, Lane 5: human HepG2 whole cell lysates, Lane 6: rat 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-CD316/IGSF8 antigen affinity purified polyclonal antibody (Catalog # A06844-2) 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 CD316/IGSF8 at approximately 70 kDa. The expected band size for CD316/IGSF8 is at 65 kDa.

Anti-CD316/IGSF8 Antibody

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