

Anti-DAW1 Antibody Picoband®

Catalog Number: A14217

About DAW1

Predicted to enable ubiquitin-like ligase-substrate adaptor activity. Predicted to be involved in protein polyubiquitination. Predicted to act upstream of with a positive effect on outer dynein arm assembly. Predicted to act upstream of or within with a positive effect on intraciliary transport. Predicted to act upstream of or within several processes, including cerebrospinal fluid circulation; determination of left/right symmetry; and heart development. Predicted to be located in ciliary basal body. Predicted to be part of SCF ubiquitin ligase complex. Implicated in primary ciliary dyskinesia.

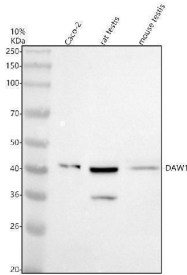
Overview

Product Name	Anti-DAW1 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-DAW1 Antibody Picoband® catalog # A14217. Tested in WB, Flow Cytometry, 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, Flow Cytometry, 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	Q8N136

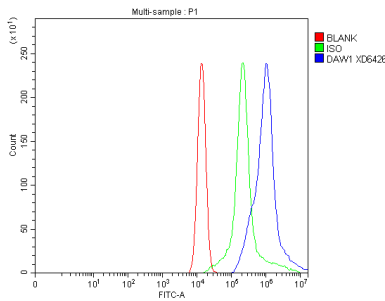
Technical Details

Immunogen	E.coli-derived human DAW1 recombinant protein (Position: R9-K398).
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, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 ug/1x10 ⁶ cells, Human ELISA, 0.1-0.5 ug/ml

Anti-DAW1 Antibody Picoband® (A14217) Images



Western blot analysis of DAW1 using anti-DAW1 antibody (A14217). Electrophoresis was performed on a 10% 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: human Caco-2 whole cell lysates, Lane 2: rat testis tissue lysates, Lane 3: mouse testis 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-DAW1 antigen affinity purified polyclonal antibody (A14217) 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 DAW1 at approximately 41 kDa. The expected band size for DAW1 is at 46 kDa.



Flow Cytometry analysis of A549 cells using anti-DAW1 antibody (A14217). Overlay histogram showing A549 cells stained with A14217 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-DAW1 Antibody (A14217, 1 ug/1x10⁶ cells) for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Anti-DAW1 Antibody

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