

## Anti-Wnt8a Antibody Picoband™

Catalog Number: A08392-2

### About WNT8A

The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family, and may be implicated in development of early embryos as well as germ cell tumors. Multiple alternatively spliced transcript variants have been found for this gene.

### Overview

Product Name	Anti-Wnt8a Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Wnt8a Antibody Picoband™ catalog # A08392-2. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg 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	Q9H1J5

### Technical Details

Immunogen	E.coli-derived human Wnt8a recombinant protein (Position: D206-S339).
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, 0.25-0.5ug/ml, Human, Mouse, Rat

Direct ELISA, 0.1-0.5ug/ml, Human

## Anti-Wnt8a Antibody Picoband™ (A08392-2) Images

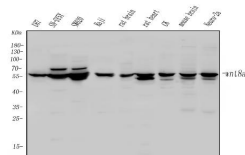


Figure 1. Western blot analysis of Wnt8a using anti-Wnt8a antibody (A08392-2).

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 50ug of sample under reducing conditions.

Lane 1: human U87 whole cell lysates,  
Lane 2: human SH-SY5Y whole cell lysates,  
Lane 3: human SW620 whole cell lysates,  
Lane 4: human Raji whole cell lysates,  
Lane 5: rat brain tissue lysates,  
Lane 6: rat heart tissue lysates,  
Lane 7: rat C6 whole cell lysates,  
Lane 8: mouse brain tissue lysates,  
Lane 9: mouse Neuro-2a 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-Wnt8a antigen affinity purified polyclonal antibody (Catalog # A08392-2) 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 Wnt8a at approximately 60KD. The expected band size for Wnt8a is at 60KD.

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