

## Anti-Zebrafish c-Jun/JUN Antibody Picoband®

Catalog Number: AZQ6NNT5

### About JUN

Enables DNA-binding transcription factor activity, RNA polymerase II-specific. Contributes to DNA-binding transcription factor activity and beta-catenin binding activity. Involved in regulation of transcription by RNA polymerase II. Acts upstream of or within several processes, including canonical Wnt signaling pathway; response to cadmium ion; and response to methylmercury. Part of transcription regulator complex. Is expressed in several structures, including digestive system; hematopoietic system; mesoderm; musculature system; and sensory system. Human ortholog(s) of this gene implicated in pulmonary tuberculosis. Orthologous to human JUN (Jun proto-oncogene, AP-1 transcription factor subunit).

### Overview

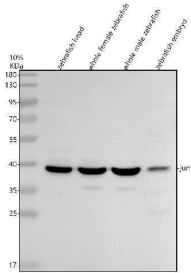
Product Name	Anti-Zebrafish c-Jun/JUN Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish c-Jun/JUN Antibody Picoband® catalog # AZQ6NNT5. Tested in WB, IF applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees 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	IF, 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	Q6NNT5

### Technical Details

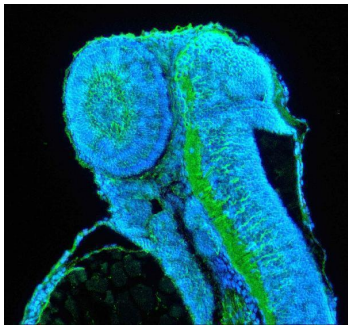
Immunogen	E.coli-derived Zebrafish c-Jun/JUN recombinant protein (Position: M1-F308).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunofluorescence, 2 ug/ml, Zebrafish



## Anti-Zebrafish c-Jun/JUN Antibody Picoband® (AZQ6NZT5) Images



Western blot analysis of c-Jun/JUN using anti-c-Jun/JUN antibody (AZQ6NZT5). 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: zebrafish head tissue lysates, Lane 2: whole female zebrafish tissue lysates, Lane 3: whole male zebrafish tissue lysates, Lane 4: zebrafish embryo 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-c-Jun/JUN antigen affinity purified polyclonal antibody (AZQ6NZT5) 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 c-Jun/JUN at approximately 39 kDa. The expected band size for c-Jun/JUN is at 33 kDa.



IF analysis of c-Jun/JUN using anti-c-Jun/JUN antibody (AZQ6NZT5). c-Jun/JUN was detected in a paraffin-embedded section of zebrafish embryo 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 5 ug/mL rabbit anti-c-Jun/JUN Antibody (AZQ6NZT5) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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