

## Anti-DUSP26 Antibody Picoband®

Catalog Number: A08372-2

### About DUSP26

This gene encodes a member of the tyrosine phosphatase family of proteins and exhibits dual specificity by dephosphorylating tyrosine as well as serine and threonine residues. This gene has been described as both a tumor suppressor and an oncogene depending on the cellular context. This protein may regulate neuronal proliferation and has been implicated in the progression of glioblastoma through its ability to dephosphorylate the p53 tumor suppressor. Alternative splicing results in multiple transcript variants.

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### Overview

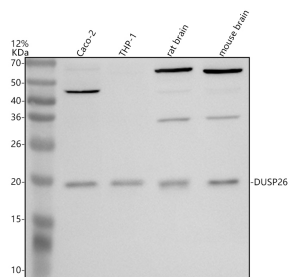
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-DUSP26 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactive Species     | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Description          | Boster Bio Anti-DUSP26 Antibody Picoband® catalog # A08372-2. Tested in WB, IHC, 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, IHC, 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           | Q9BV47                                                                                                                                                                                                                                                                                                                                                                                                                              |

### Technical Details

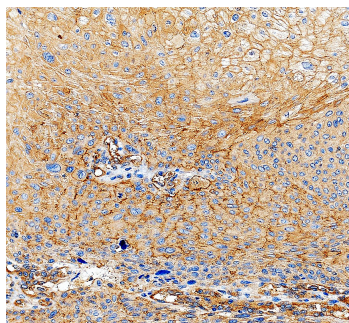
|           |                                                                       |
|-----------|-----------------------------------------------------------------------|
| Immunogen | E.coli-derived human DUSP26 recombinant protein (Position: M14-Q143). |
| Form      | Lyophilized                                                           |

|                     |                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human<br>ELISA, 0.1-0.5 ug/ml |

## Anti-DUSP26 Antibody Picoband® (A08372-2) Images



Western blot analysis of DUSP26 using anti-DUSP26 antibody (A08372-2). Electrophoresis was performed on a 12% 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: human THP-1 whole cell lysates, Lane 3: rat brain tissue lysates, Lane 4: mouse 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-DUSP26 antigen affinity purified polyclonal antibody (A08372-2) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for DUSP26 at approximately 20 kDa. The expected band size for DUSP26 is at 24 kDa.



IHC analysis of DUSP26 using anti-DUSP26 antibody (A08372-2). DUSP26 was detected in a paraffin-embedded section of human skin cancer 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 2 ug/ml rabbit anti-DUSP26 Antibody (A08372-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

### Anti-DUSP26 Antibody

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