Afadin (pS1718) Polyclonal Antibody

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Catalog Number: A16692

Store at –20°C

Clonality: Polyclonal

Amount: 100 μL

Host/Class: Rabbit

Reactivity: Human Afadin

Species Reactivity: Human

Product Description

Intercellular junctions play essential roles in tissue integrity and maintenance of cell polarity. Tight junctions (TJs) form a continuous barrier to fluids (1), while adherens junctions (AJs) link cells in a continuous sheet (2). Afadin is an actin filament-binding protein that binds to nectin, forming a connection to the actin cytoskeleton (3). AJs are formed when nectin assembles cadherin at cell-cell adhesion sites, which are then involved in the formation and maintenance of TJs (4,5). Afadin has two splice variants, l- and s-afadin. l-afadin is ubiquitously expressed, while the shorter s-afadin, lacking one of the three proline-rich regions and a carboxyl-terminal F-actin binding region, is expressed predominantly in neural tissue (6). Afadin is also involved in controlling the directionality of cell movement when it is localized at the leading edge of moving cells (7,8).

Product Specifications

Immunogen: A synthetic phosphopeptide corresponding to residues surrounding Ser1718 of human afadin

Predicted Reactivity: Mouse, Rat, Monkey, Dog

Apparent MW: 205 kDa

Gene ID: 4301

Protein Accession No.: P55196

Lot: See product label

Figure 1 Western blot analysis of extracts from A431 cells, untreated or EGF-treated (100 ng/mL 5 minutes), using Afadin (pS1718) Polyclonal Antibody.

Product Applications

Applications reported for this antibody include western blot. Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

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<td>Western blotting</td>
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Storage and Handling

Store reagents at –20°C. Avoid repeated freezing and thawing. Do not aliquot the antibody.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/mL BSA, 50% glycerol.
References

Product Documentation
To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

Limited Product Warranty
Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies’ General Terms and Conditions of Sale found on Life Technologies’ website at www.lifetechnologies.com/termsandconditions. If you have any questions, please contact Life Technologies at www.lifetechnologies.com/support.

Explanation of symbols

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28 August 2013