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Datasheet for ABIN2775636

## anti-AMOTL1 antibody (N-Term)

1 Image

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### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL                                     |
| Target:              | AMOTL1                                     |
| Binding Specificity: | N-Term                                     |
| Reactivity:          | Human, Mouse, Cow, Dog, Rabbit, Guinea Pig |
| Host:                | Rabbit                                     |
| Clonality:           | Polyclonal                                 |
| Conjugate:           | This AMOTL1 antibody is un-conjugated      |
| Application:         | Western Blotting (WB)                      |

### Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human AMOTL1                                      |
| Sequence:             | LTQEDPQMVY QSARQEPQGQ EHQVDNTVME KQVRSTQPQQ NNEELPTYEE   |
| Predicted Reactivity: | Cow: 93%, Dog: 79%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%   |
| Characteristics:      | This is a rabbit polyclonal antibody against AMOTL1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified  |

### Target Details

|         |        |
|---------|--------|
| Target: | AMOTL1 |
|---------|--------|

## Target Details

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Alternative Name: [AMOTL1 \(AMOTL1 Products\)](#)

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Background: AMOTL1 is a peripheral membrane protein that is a component of tight junctions or TJs. TJs form an apical junctional structure and act to control paracellular permeability and maintain cell polarity. This protein is related to angiomin, an angiostatin binding protein that regulates endothelial cell migration and capillary formation. The protein encoded by this gene is a peripheral membrane protein that is a component of tight junctions or TJs. TJs form an apical junctional structure and act to control paracellular permeability and maintain cell polarity. This protein is related to angiomin, an angiostatin binding protein that regulates endothelial cell migration and capillary formation.

Alias Symbols: JEAP

Protein Interaction Partner: WWOX, SUZ12, NEDD4, HECW2, AMOT, LATS2, YAP1, LATS1, Wwtr1, UBC, Magi1, NEDD4L,

Protein Size: 956

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Molecular Weight: 106 kDa

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Gene ID: 154810

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NCBI Accession: [NM\\_130847](#), [NP\\_570899](#)

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UniProt: [Q8IY63](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 956 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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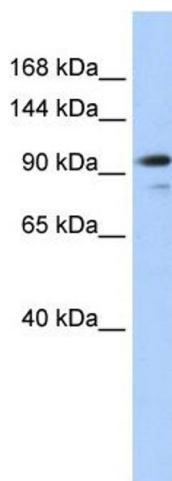
## Handling

|                  |   |
|------------------|---|
| Handling Advice: | Avoid repeated freeze-thaw cycles.  |
| Storage:         | -20 °C  |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Publications

Product cited in: Sakamaki, Ishii, Sakata, Takemoto, Takagi, Takeuchi, Morishita, Takahashi, Nozawa, Shinoda, Chiba, Sugimoto, Saito, Tamate, Satou, Jung, Matsuoka, Koyamada, Sawasaki, Nagai, Ueno: "Dysregulation of a potassium channel, THIK-1, targeted by caspase-8 accelerates cell shrinkage." in: **Biochimica et biophysica acta**, Vol. 1863, Issue 11, pp. 2766-2783, (2016) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-AMOTL1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 293T cell lysate