

#43130 Store at -20°C

Angiomotin (D2O4H) Rabbit mAb



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For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: | Reactivity: | Sensitivity: | MW (kDa): | Source/Isotype: | UniProt ID: | Entrez-Gene Id: |
|---------------|-------------|--------------|-----------|-----------------|-------------|-----------------|
| WB, IP, IF-IC | H | Endogenous | 80, 140 | Rabbit IgG | #Q4VCS5 | 154796 |

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|----------------------------------|---|--|
| Product Usage Information | Application Western Blotting Immunoprecipitation Immunofluorescence (Immunocytochemistry) | Dilution 1:1000 1:100 1:1000 |
| Storage | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. | |
| Specificity / Sensitivity | Angiomotin (D2O4H) Rabbit mAb recognizes endogenous levels of total Angiomotin protein. Based on the sequence of the immunogenic peptide, this antibody is not expected to cross-react with the AMOT family members AMOTL1 or AMOTL2. | |
| Source / Purification | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near Pro1049 of human Angiomotin protein. | |
| Background | Angiomotin (AMOT) is a widely expressed cell junction protein initially identified through its ability to bind angiotensin. Alternative splicing results in two isoforms of angiomotin, the full-length p130 and the amino-terminally truncated p80. These isoforms, along with angiomotin-like 1 (AmotL1) and angiomotin-like 2 (AmotL2) comprise the Motin protein family. Angiomotin is important in endothelial cell polarity, migration and blood vessel formation during development, as well as in signaling through small GTPases and the Hippo/YAP pathway (reviewed in 1). Research studies have shown that angiomotin expression regulates migration and proliferation of breast cancer cells (2,3). | |
| Background References | 1. Moleirinho, S. et al. (2014) <i>FEBS Lett</i> 588, 2693-703. 2. Zhang, H. and Fan, Q. (2015) <i>Oncol Rep</i> 34, 2163-70. 3. Lv, M. et al. (2015) <i>Oncol Rep</i> 33, 1938-46. | |

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| Species Reactivity | Species reactivity is determined by testing in at least one approved application (e.g., western blot). |
| Western Blot Buffer | IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. |
| Applications Key | WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) |
| Cross-Reactivity Key | H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected |
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