

Angiomotin (D2O4H) Rabbit mAb

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

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 angiostatin. 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) *FEBS Lett* 588, 2693-703.
2. Zhang, H. and Fan, Q. (2015) *Oncol Rep* 34, 2163-70.
3. Lv, M. et al. (2015) *Oncol Rep* 33, 1938-46.

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

W: Western Blotting **IP:** Immunoprecipitation **IF-IC:** Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: Human

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