

DAAM2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7595a**Specification**

DAAM2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q86T65](#)**DAAM2 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 23500

Other Names

Disheveled-associated activator of morphogenesis 2, DAAM2, KIAA0381

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7595a](/products/AP7595a) was selected from the N-term region of humanAM2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DAAM2 Antibody (N-term) Blocking Peptide - Protein InformationName DAAM2 ([HGNC:18143](#))**Function**

Key regulator of the Wnt signaling pathway, which is required for various processes during development, such as dorsal patterning, determination of left/right symmetry or myelination in the central nervous system. Acts downstream of Wnt ligands and upstream of beta- catenin (CTNNB1). Required for canonical Wnt signaling pathway during patterning in the dorsal spinal cord by promoting the aggregation of Disheveled (Dvl) complexes, thereby clustering and formation of Wnt receptor signalosomes and potentiating Wnt activity. During dorsal patterning of the spinal cord, inhibits oligodendrocytes differentiation via interaction with PIP5K1A. Also regulates non-canonical Wnt signaling pathway. Acts downstream of PITX2 in the developing gut and is required for left/right asymmetry within dorsal mesentery: affects mesenchymal condensation by lengthening cadherin- based junctions through WNT5A and non-canonical Wnt signaling, inducing polarized condensation in the left dorsal mesentery necessary to initiate gut rotation. Together with DAAM1, required for myocardial maturation and sarcomere assembly. Is a regulator of actin

nucleation and elongation, filopodia formation and podocyte migration (PubMed:33232676).

Tissue Location

Expressed in most tissues examined. Expressed in kidney glomeruli (PubMed:33232676).

DAAM2 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

DAAM2 Antibody (N-term) Blocking Peptide - Images**DAAM2 Antibody (N-term) Blocking Peptide - Background**

DAAM2 is a 1068 amino acid protein belonging to the formin homology family. It contains one of each DAD (diaphanous autoregulatory), FH1 (formin homology 1), FH2 (formin homology 2) and GBD/FH3 (Rho GTPase-binding/formin homology 3) domain. Its main function is actin cytoskeleton organization, thus leading to cell organization and biogenesis. It plays a role in Rho GTPase binding and is expressed mostly in spinal cord and nerve tissues.

DAAM2 Antibody (N-term) Blocking Peptide - References

Katoh, M., Int. J. Oncol. 22 (4), 915-920 (2003)