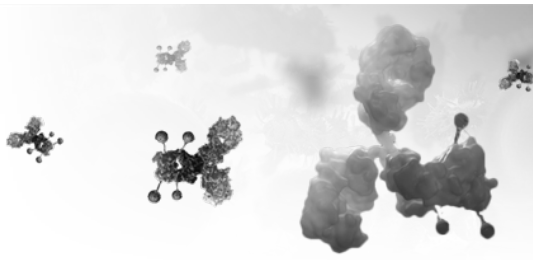

# Human CD2AP peptide (DAG-P1465)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Antigen Description** | This gene encodes a scaffolding molecule that regulates the actin cytoskeleton. The protein directly interacts with filamentous actin and a variety of cell membrane proteins through multiple actin binding sites, SH3 domains, and a proline-rich region containing binding sites for SH3 domains. The cytoplasmic protein localizes to membrane ruffles, lipid rafts, and the leading edges of cells. It is implicated in dynamic actin remodeling and membrane trafficking that occurs during receptor endocytosis and cytokinesis. Haploinsufficiency of this gene is implicated in susceptibility to glomerular disease. [provided by RefSeq, Jul 2008] |
| **Specificity** | Widely expressed in fetal and adult tissues. |
| **Conjugate** | Unconjugated |
| **Sequence Similarities** | Contains 3 SH3 domains. |
| **Format** | Liquid |
| **Preservative** | None |
| **Storage** | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request. |

## GENE INFORMATION

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| **Gene Name** | CD2AP CD2-associated protein [ Homo sapiens (human) ] |
| **Official Symbol** | CD2AP |
| **Synonyms** | CD2AP; CD2-associated protein; CMS; adapter protein CMS; cas ligand with multiple SH3 domains; Cas ligand with multiple Src homology 3 (SH3) domains; |
| **Entrez Gene ID** | 23607 |

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|---|---|
| **mRNA Refseq** | NM_012120.2 |
| **Protein Refseq** | NP_036252.1 |
| **UniProt ID** | Q9Y5K6 |
| **Chromosome Location** | 6p12 |
| **Pathway** | Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Cell-Cell communication, organism-specific biosystem; Nephrin interactions, organism-specific biosystem; Nephrin/Neph1 signaling in the kidney podocyte, organism-specific biosystem; VEGFR1 specific signals, organism-specific biosystem; |
| **Function** | SH3 domain binding; beta-catenin binding; cadherin binding; protein C-terminus binding; protein binding; protein complex binding; structural constituent of cytoskeleton; vascular endothelial growth factor receptor binding; |

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