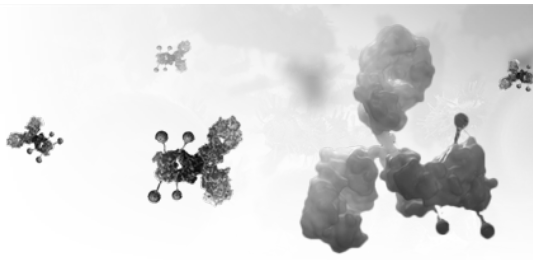

Human ZYX peptide (DAG-P2042)

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

PRODUCT INFORMATION

Antigen Description	Focal adhesions are actin-rich structures that enable cells to adhere to the extracellular matrix and at which protein complexes involved in signal transduction assemble. Zyxin is a zinc-binding phosphoprotein that concentrates at focal adhesions and along the actin cytoskeleton. Zyxin has an N-terminal proline-rich domain and three LIM domains in its C-terminal half. The proline-rich domain may interact with SH3 domains of proteins involved in signal transduction pathways while the LIM domains are likely involved in protein-protein binding. Zyxin may function as a messenger in the signal transduction pathway that mediates adhesion-stimulated changes in gene expression and may modulate the cytoskeletal organization of actin bundles. Alternative splicing results in multiple transcript variants that encode the same isoform. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
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

Gene Name	ZYX zyxin [Homo sapiens (human)]
Official Symbol	ZYX
Synonyms	ZYX; zyxin; ESP-2; HED-2; zyxin-2;
Entrez Gene ID	7791

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mRNA Refseq	NM_001010972.1
Protein Refseq	NP_001010972.1
UniProt ID	Q15942
Chromosome Location	7q32
Pathway	E-cadherin signaling in keratinocytes, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Integrin-mediated cell adhesion, organism-specific biosystem; Stabilization and expansion of the E-cadherin adherens junction, organism-specific biosystem;
Function	poly(A) RNA binding; protein binding; zinc ion binding;

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