Human DBNL peptide (DAG-P1672)

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

PRODUCT INFORMATION

Antigen Description	Actin-binding adapter protein. May act as a common effector of antigen receptor-signaling pathways in leukocytes. Its association with dynamin suggests that it may also connect the actin cytoskeleton to endocytic function. Acts as a key component of the immunological synapse that regulates T-cell activation by bridging TCRs and the actin cytoskeleton to gene activation and endocytic processes. Binds to F-actin but is not involved in actin polymerization, capping or bundling. Does not bind G-actin.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the ABP1 family.Contains 1 ADF-H domain.Contains 1 SH3 domain.
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	DBNL drebrin-like [Homo sapiens (human)]
Official Symbol	DBNL
Synonyms	DBNL; drebrin-like; ABP1; HIP55; SH3P7; HIP-55; drebrin-like protein; drebrin-F; cervical SH3P7; SH3 domain-containing protein 7; cervical mucin-associated protein; HPK1-interacting protein of 55 kDa; src homology 3 domain-containing protein HIP-55;
Entrez Gene ID	28988

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

mRNA Refseq	NM_001014436.2
Protein Refseq	NP_001014436.1
UniProt ID	Q9UJU6
Chromosome Location	7p13
Pathway	Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic execution phase, organism-specific biosystem; Caspase-mediated cleavage of cytoskeletal proteins, organism-specific biosystem; JNK signaling in the CD4+ TCR pathway, organism-specific biosystem; TCR Signaling Pathway, organism-specific biosystem; TCR signaling in naive CD4+ T cells, organism-specific biosystem;
Function	actin binding; actin filament binding; enzyme activator activity; protein C-terminus binding; protein binding; protein domain specific binding;

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