DBNL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DBNL, Polyclonal Antibody
Full Product Name	DBNL (C-Term) Rabbit pAb
Product Gene Name	anti-DBNL antibody
Product Synonym Names	ABP1; HIP55; SH3P7; HIP-55
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.09% (W/V) Sodium Azide, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	48; 49; 37; 43; 38kDa
OMIM	610106
3D Structure	ModBase 3D Structure for Q9UJU6
Immunogen	This DBNL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 292-319 amino acids from the C-terminal region of human DBNL.
Cellular Localization	Cell Junction, Cell Membrane, Cell Projection, Cytoplasm, Cytoplasmic Vesicle, Cytoskeleton, Endosome, Golgi Apparatus, Membrane, Synapse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DBNL antibody	Western Blot (WB)
Application Notes for anti-DBNL antibody	WB: 1:2000
Related Product Information for anti-DBNL antibody	Adapter protein that binds F-actin and DNM1, and thereby plays a role in receptor-mediated endocytosis. Plays a role in the reorganization of the actin cytoskeleton, formation of cell projections, such as neurites, in neuron morphogenesis and synapse formation via its interaction with WASL and COBL. Does not bind G-actin and promote actin polymerization by itself. Required for the formation of organized podosome rosettes (By similarity). May act as a common effector of antigen receptor-signaling pathways in leukocytes. 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.
Other Notes	Small volumes of anti-DBNL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DBNL purchase	MBS8559056 is an antibody targeting DBNL. Also known as DBNL (C-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DBNL. It may not necessarily be applicable to this product.

NCBI GI #	51316115
NCBI GeneID	28988
NCBI Accession #	Q9UJU6.1
UniProt Primary Accession #	Q9UJU6
UniProt Related Accession #	Q9UJU6
NCBI Official Full Name	Drebrin-like protein
NCBI Official Synonym Full Names	drebrin like
NCBI Official Symbol	DBNL
NCBI Official Synonym Symbols	ABP1; HIP55; SH3P7; HIP-55
UniProt Protein Name	Drebrin-like protein
UniProt Synonym Protein Names	Cervical SH3P7; Cervical mucin-associated protein; Drebrin-F; HPK1-interacting protein of 55 kDa; HIP-55; SH3 domain-containing protein 7
Protein Family	Drebrin-like protein
UniProt Gene Name	DBNL
UniProt Synonym Gene Names	CMAP; SH3P7; HIP-55
UniProt Entry Name	DBNL_HUMAN
NCBI Protein Information	drebrin-like protein
UniProt Comments for DBNL	DBNL: an SH3-containing adaptor protein. Interacts with hematopoietic progenitor kinase 1a (HIPK1). It is recruited to glycolipid-enriched microdomains following T cell receptor (TCR) stimulation. Interacts with and is phosphorylated by ZAP-70 after TCR signaling. May regulate JNK activation following TCR signaling, presumably via its interaction with HIPKIt is a member of the drebrin family of proteins that are developmentally regulated in the brain. Protein type: Actin-binding; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 7p13 Cellular Component: Golgi membrane; ruffle; lamellipodium; dendrite; postsynaptic density; cytoplasm; plasma membrane; clathrin coated vesicle membrane; podosome; cell cortex; cytosol; cell junction Molecular Function: actin filament binding; protein C-terminus binding; protein domain specific binding; protein binding; enzyme activator activity; actin binding Biological Process: receptor-mediated endocytosis; synaptogenesis; immune system process; apoptosis; Rac protein signal transduction; neurite morphogenesis; activation of JNK activity; cell structure disassembly during apoptosis
Research Articles on DBNL	**1.** findings show that mAbp1 and FHL2 are novel binding partners that differentially regulate Rho GTPase signaling and MTLn3 breast cancer cell invasion
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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