

## ARG54239 anti-Drebrin antibody [DBN-N-03] (PE)

Package: 50 tests  
Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [DBN-N-03] recognizes Drebrin
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone DBN-N-03 recognizes drebrin, an approximately 100-125 kDa regulator of actin cytoskeleton.
Host	Mouse
Clonality	Monoclonal
Clone	DBN-N-03
Isotype	IgG2b
Target Name	Drebrin
Species	Human
Immunogen	Bacterially expressed N-terminal fragment of recombinant human drebrin (aa 1-326)
Conjugation	PE
Alternate Names	Developmentally-regulated brain protein; DOS117E; Drebrin

### Application Instructions

Application table	Application	Dilution
	FACS	4 µl / 10 <sup>6</sup> cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Database links	<a href="#">GeneID: 1627 Human</a> <a href="#">Swiss-port # Q16643 Human</a>
Gene Symbol	DBN1
Gene Full Name	drebrin 1
Background	Drebrin is an actin-binding protein, which is expressed mainly in neurons and plays important role in their morphogenesis. The highest level of its expression is in developing brain. Both in neurons and non-neuronal cells drebrin acts as a key regulator of actin cytoskeleton remodelling, affecting especially intercellular junctions, such as dendritic spines of neurons or the immune synapses of T cells. Decrease of drebrin amount in the brain seems to be associated with Alzheimer's disease and Down syndrome, and in case of B-cell precursor acute lymphoblastic leukemia (BCP-ALL) lower drebrin expression correlates with higher risk of relapse.
Function	Drebrins might play some role in cell migration, extension of neuronal processes and plasticity of dendrites. Required for actin polymerization at immunological synapses (IS) and for CXCR4 recruitment to IS. [UniProt]
Research Area	Cancer antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	71 kDa