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Product datasheet for AP32304RP-N

Drebrin (DBN1) (1-326) Mouse Monoclonal Antibody [Clone ID: DBN-N-03]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DBN-N-03
Applications:	FC
Recommended Dilution:	**Flow Cytometry** analysis of Human blood cells using 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 Tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Bacterially expressed N-terminal fragment of recombinant human drebrin (aa 1-326)
Specificity:	This Monoclonal antibody *DBN-N-03* recognizes Drebrin, an approximately 100-125 kDa regulator of actin cytoskeleton.
Formulation:	PBS Label: PE State: Liquid purified IgG fraction Stabilizer: 0.2% (w/v) high-grade protease free BSA Preservative: 15 mM Sodium Azide Label: Phycoerythrin
Purification:	Size-Exclusion Chromatography and adjusted for direct use. No reconstitution is necessary.
Conjugation:	PE
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This products is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	drebrin 1
Database Link:	Entrez Gene 1627 Human Q16643

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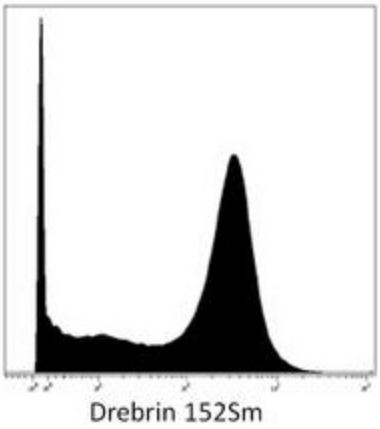
Background: **Drebrin** is an actin-binding protein, which is expressed mainly in neurons and plays important role in their morphogenesis. The highest level of its expression is in developing brain. Both in neurons and non-neuronal cells drebrin acts as a key regulator of actin cytoskeleton remodelling, 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.

Synonyms: DBN1, DBN-1, D0S117E, DKFZp434D064,drebrin 1

Product images:



Surface staining (mass cytometry) of brain tumor cells with anti-drebrin (**DBN-N-03**) 152Sm. Gated on singlets.