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Datasheet for ABIN1558079
anti-DBN1 antibody (AA 1-326)

2 Images

Overview

Quantity:	0.1 mg
Target:	DBN1
Binding Specificity:	AA 1-326
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DBN1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Cytometry by Time of Flight (CyTOF)

Product Details

Immunogen:	Bacterially expressed N-terminal fragment of recombinant human drebrin (aa 1-326)
Clone:	DBN-N-03
Isotype:	IgG2b
Specificity:	The mouse monoclonal antibody DBN-N-03 recognizes drebrin, an approximately 100-125 kDa intracellular regulator of actin cytoskeleton.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

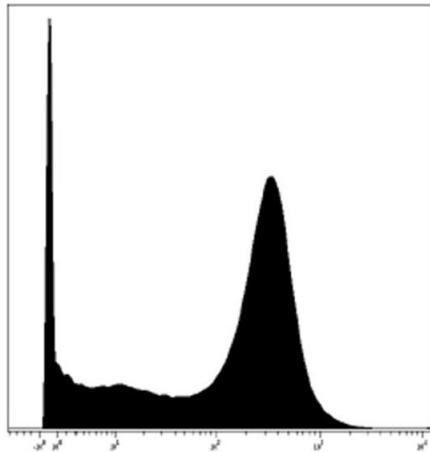
Target:	DBN1
Alternative Name:	Drebrin (DBN1 Products)
Background:	Drebrin 1,Drebrin is an actin-binding protein, which is expressed mainly in neurons and plays important role in their morphogenesis. The highest level of its expression is in developing brain. Both in neurons and non-neuronal cells drebrin 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.,DBN, D0S117E
Gene ID:	1627
UniProt:	Q16643
Pathways:	Maintenance of Protein Location

Application Details

Application Notes:	Western blotting: Positive control: REH, Nalm-6, HEK293 cells. Flow cytometry: Recommended dilution: 1-4 µg/mL. Intracellular staining.
Restrictions:	For Research Use only

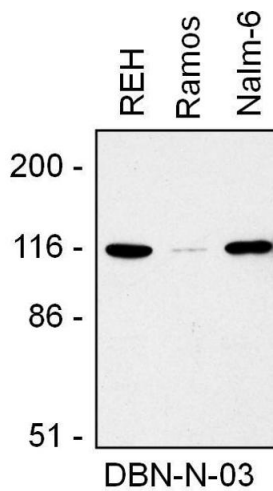
Handling

Concentration:	1 mg/mL
Buffer:	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Cytometry by Time of Flight

Image 1. Mass cytometry of brain tumor cells with anti-drebrin (DBN-N-03) 152Sm. Gated on singlets.



Western Blotting

Image 2. Western blotting analysis of drebrin expression in REH, Ramos, and Nalm-6 cell lysate using mouse monoclonal antibody DBN-N-03 .