

30-1496: Anti-Drebrin Monoclonal Antibody (Clone:DBN-N-03)

Clonality :	Monoclonal
Clone Name :	DBN-N-03
Application :	FACS, WB, MC
Reactivity :	Human
Gene :	DBN1
Gene ID :	1627
Uniprot ID :	Q16643
Format :	Purified
Alternative Name :	Developmentally-regulated brain protein
Isotype :	Mouse IgG2b
Immunogen Information :	Bacterially expressed N-terminal fragment of recombinant human drebrin (aa 1-326)

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Western Blotting *Positive control:* REH, Nalm-6, HEK293 cells

Mass Cytometry

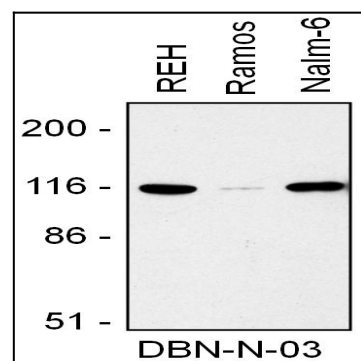


Figure 1: Western blotting analysis of drebrin expression in REH, Ramos, and Nalm-6 cell lysate using mouse monoclonal antibody DBN-N-03.

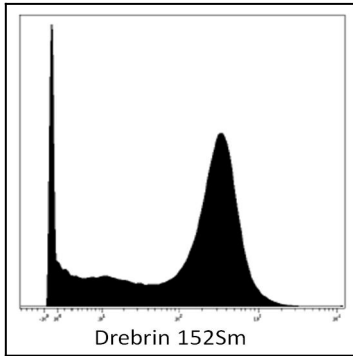


Figure 2: Mass cytometry of brain tumor cells with anti-drebrin (DBN-N-03) 152Sm. Gated on singlets.