

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DBN-N-03
<b>Application :</b>	FACS, WB, MC
<b>Reactivity :</b>	Human
<b>Gene :</b>	DBN1
<b>Gene ID :</b>	1627
<b>Uniprot ID :</b>	Q16643
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Developmentally-regulated brain protein
<b>Isotype :</b>	Mouse IgG2b
<b>Immunogen Information :</b>	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

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

#### Application Note

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

**Mass Cytometry**

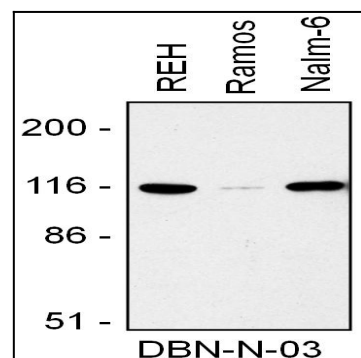


Figure 1: Western blotting analysis of drebrin expression in REH, Ramos, and Nalm-6 cell lysate using mouse monoclonal antibody DBN-N-03.

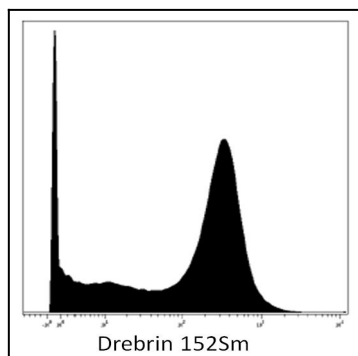


Figure 2: Mass cytometry of brain tumor cells with anti-drebrin (DBN-N-03) 152Sm. Gated on singlets.