

Product datasheet for **AM32471PU-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, WB
Recommended Dilution:	Flow Cytometry. Western Blot. Positive Control: REH, Nalm-6, HEK293 cells.
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 <i>DBN-N-03</i> recognizes Drebrin, an approximately 100-125 kDa regulator of actin cytoskeleton.
Formulation:	Tris buffered saline (TBS), pH~8.0 State: Purified State: Liquid purified IgG fraction (> 95% by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	drebrin 1
Database Link:	Entrez Gene 1627 Human Q16643



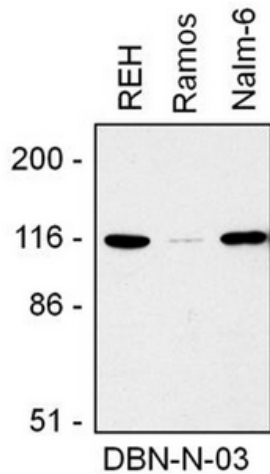
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Background:

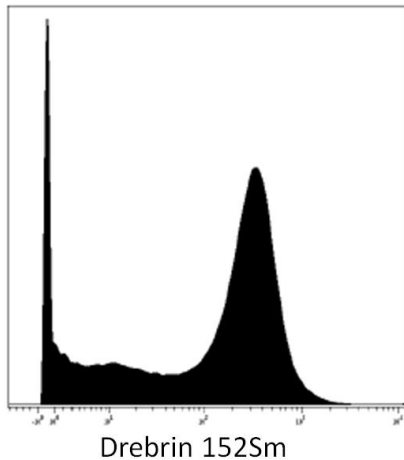
Drebrin is an actin-binding protein, which is expressed mainly in neurons and plays important role in their morphogenesis. The highest level of its expression is in developing brain. Both in neurons and non-neuronal cells drebrin acts as a key regulator of actin cytoskeleton remodelling, affecting especially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


Western blotting analysis of Drebrin expression in REH, Ramos, and Nalm-6 cell lysate using Mouse Monoclonal Antibody (Clone DBN-N-03).



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