

Mouse anti-Human Drebrin 1 (DBN1) Monoclonal Antibody | anti-DBN1 antibody

Drebrin 1 (DBN1)

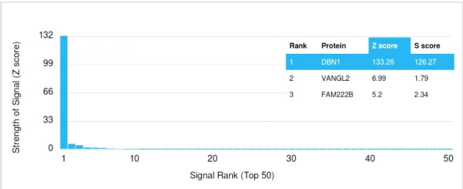
CATALOG # AAA214916	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
-------------------------------	----------------------	----------------------------	---

PRODUCT SYNONYMS

Drebrin 1 (DBN1); Monoclonal Antibody; Developmentally regulated brain protein; Drebrin 1; Drebrin; Drebrin E; Drebrin E2; Drebrin1; DrebrinE; anti-DBN1 antibody

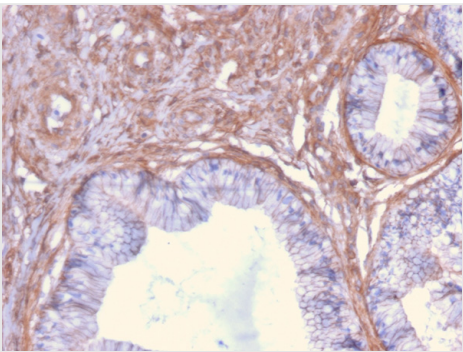
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	DBN1/2879
Specificity	Drebrins (developmentally regulated brain proteins) are cytoplasmic proteins that bind F-actin in the brain and are involved in cell migration, extension of neuronal processes and plasticity of dendrites. There are three isoforms: two embryonic types (E1 and E2); and an adult type (A), generated by alternative RNA splicing from a single Drebrin gene. Drebrins are expressed mainly in brain neurons but are also found in skeletal muscle, heart, placenta, pancreas and kidney. Drebrin has been designated as a marker of the dendritic spine. Decreases in Drebrin levels in the brain have been associated with Alzheimer's disease and Down syndrome.
Form/Format	1.0mg/ml of Ab Purified from Bioreactor Concentrate.
Sequence Length	649
Applicable Applications for anti-DBN1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Positive Control	Brain neurons. Also found in the heart, placenta, skeletal muscle, kidney and pancreas.
Immunogen	Recombinant fragment (aa 150-281) of human DBN1 protein (exact sequence is proprietary)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	5q35.3
Preparation and Storage	Antibody without azide: store at -20°C to -80°C. Non-hazardous. No MSDS required.

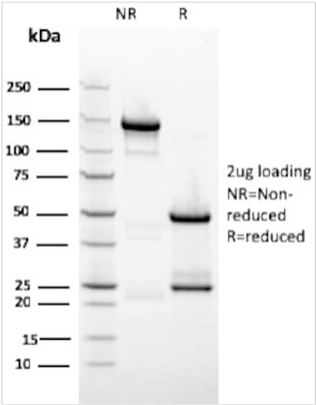


Application Data

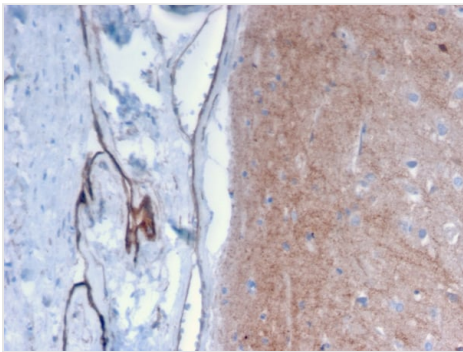
Analysis of Protein Array containing more than 19,000 full-length human proteins using Drebrin-1 Mouse Monoclonal Antibody (DBN1/2879). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Cervix stained with Drebrin-1 Mouse Monoclonal Antibody (DBN1/2879).



SDS-PAGE
SDS-PAGE Analysis Purified Drebrin-1 Mouse Monoclonal Antibody (DBN1/2879). Confirmation of Integrity and Purity of Antibody



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Brain stained with Drebrin-1 Mouse Monoclonal Antibody (DBN1/2879).

ADDITIONAL INFORMATION

References	Shirao, T. 1995. The roles of microfilament-associated proteins, drebrins, in brain morphogenesis: a review. J. Biochem. 117: 231-236.
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	18426915
NCBI GeneID	1627
NCBI Accession #	NP_004386.2
NCBI GenBank Nucleotide #	NP_004386.2
UniProt Accession #	Q16643
Molecular Weight	120kDa
NCBI Official Full Name	drebrin isoform a
NCBI Official Synonym Full Names	drebrin 1
NCBI Official Symbol	DBN1
NCBI Official Synonym Symbols	DOS117E
NCBI Protein Information	drebrin

UniProt Protein Name	Drebrin
UniProt Gene Name	DBN1
UniProt Synonym Gene Names	D0S117E
UniProt Entry Name	DREB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/drebrin-1-dbn1-antibody-clone-dbn1-2879-western-blot-immunohistochemistry-elisa/214916>