

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

Drebrin 1 (DBN1)

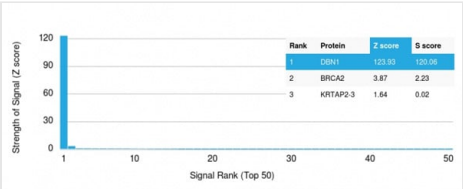
CATALOG # AAA214917	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

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

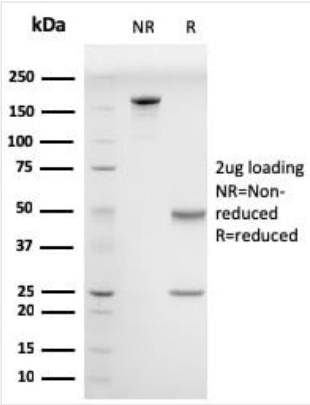
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	DBN1/2880
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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	649
Applicable Applications for anti-DBN1 antibody	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 with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



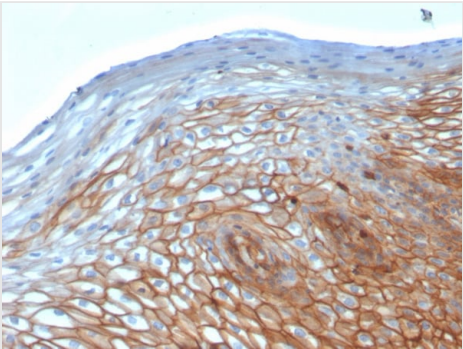
Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Drebrin-1 Mouse Monoclonal Antibody (DBN1/2880). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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 MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.



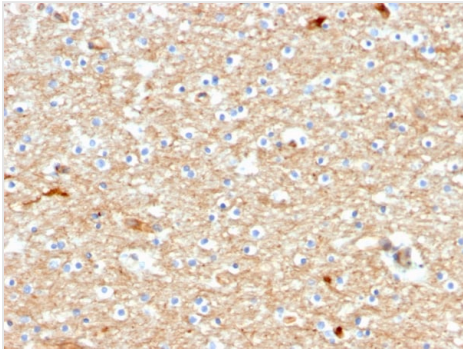
SDS-PAGE

SDS-PAGE Analysis Purified Drebrin-1 Mouse Monoclonal Antibody (DBN1/2880). Confirmation of Purity and Integrity of Antibody



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Cervix stained with Drebrin-1 Mouse Monoclonal Antibody (DBN1/2880).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Brain stained with Drebrin-1 Mouse Monoclonal Antibody (DBN1/2880).

ADDITIONAL INFORMATION

References	Shirao, T. 1995. The roles of microfilament-associated proteins, drebrins, in brain morphogenesis: a review. J. Biochem. 117: 231-236.
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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	D0S117E
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/drebrin-1-dbn1-antibody-clone-dbn1-2880-immunohistochemistry-elisa/214917>