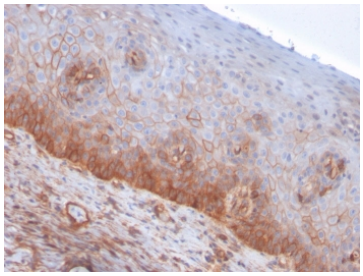
Drebrin 1 Antibody DBN1/3393 / DBN1 Monoclonal Antibody [clone DBN1/3393] (V7712)

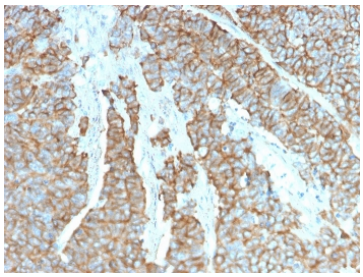
Catalog No.	Formulation	Size
V7712-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7712-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7712SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

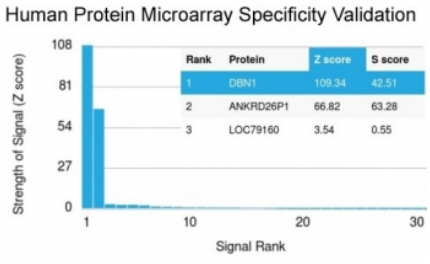
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	DBN1/3393
Purity	Protein G affinity chromatography
UniProt	Q16643
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 1-2ug/ml
Limitations	This Drebrin 1 Antibody DBN1/3393 / DBN1 Monoclonal Antibody is available for research use only.



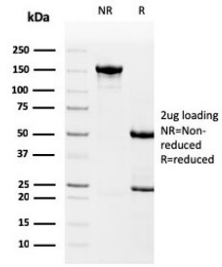
IHC staining of FFPE human cervix with Drebrin 1 antibody (clone DBN1/3393). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



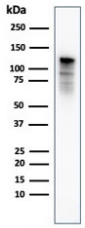
Drebrin 1 Antibody DBN1/3393 Neuroendocrine Tumor Immunohistochemistry. IHC staining of FFPE human neuroendocrine tumor with Drebrin 1 antibody (clone DBN1/3393). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Drebrin 1 antibody (clone DBN1/3393). These results demonstrate the foremost specificity of the DBN1/3393 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Drebrin 1 antibody (clone DBN1/3393) as confirmation of integrity and purity.



Drebrin 1 Antibody DBN1/3393 WB. Western blot testing of human PC3 cell lysate with Drebrin 1 antibody (clone DBN1/3393). Expected molecular weight: 70-120 kDa.

Description

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 been associated with Alzheimer s disease and Down syndrome.

This antibody can be compared with our Drebrin Antibody / DBN1 Neuronal Actin-Binding Protein Antibody (clone DBN1/2880) for consistent detection of DBN1 across neuronal structure and cytoskeletal studies.

Application Notes

Optimal dilution of the Drebrin 1 Antibody DBN1/3393 / DBN1 Monoclonal Antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 150-281) was used as the immunogen for the Drebrin 1 antibody.

Storage

Store the Drebrin 1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Copyright © NSJ Bioreagents. All rights reserved.