

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

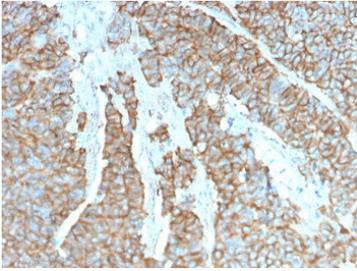
Catalog No.	Formulation	Size
V7712-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7712-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7712SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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 is available for research use only.

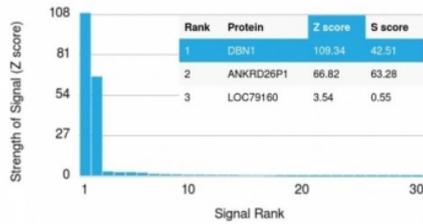


IHC staining of FFPE human cervix with Drebrin 1 antibody (clone DBN1/3393). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



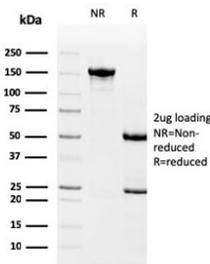
IHC staining of FFPE human neuroendocrine tumor with Drebrin 1 antibody (clone DBN1/3393). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

Human Protein Microarray Specificity Validation

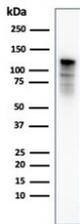


Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Drebrin 1 antibody (clone DBN1/3393). These results demonstrate the foremost specificity of the DBN1/3393 mAb.

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.



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 associated with Alzheimer's disease and Down syndrome.

Application Notes

Optimal dilution of the Drebrin 1 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 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).