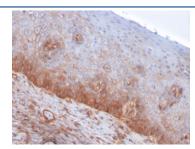


Drebrin 1 Antibody [clone DBN1/3393] (V7712)

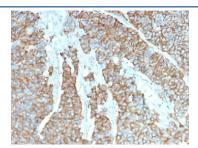
| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V7712-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7712-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7712SAF-100UG | 1 mg/ml in 1X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

Bulk quote request

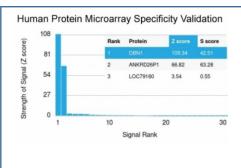
| Availability | 1-3 business days |
|--------------------|--|
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | DBN1/3393 |
| Purity | Protein G affinity chromatography |
| UniProt | Q16643 |
| Localization | 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.

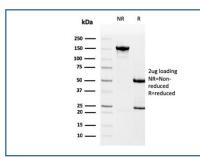


IHC staining of FFPE human neuroendocrine tumor with Drebrin 1 antibody (clone DBN1/3393). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



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 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 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).