



Datasheet for ABIN6939227
anti-DBN1 antibody (AA 150-281)



[Go to Product page](#)

5 Images

Overview

Quantity:	100 µg
Target:	DBN1
Binding Specificity:	AA 150-281
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DBN1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (aa 150-281) of human DBN1 protein (exact sequence is proprietary)
Clone:	DBN1-2879
Isotype:	IgG1 kappa

Target Details

Target:	DBN1
Alternative Name:	DBN1 (DBN1 Products)
Background:	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

Target Details

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.

Molecular Weight: 120kDa

Gene ID: 1627

UniProt: [Q16643](#)

Pathways: [Maintenance of Protein Location](#)

Application Details

Application Notes: Positive Control: Brain neurons. Also found in the heart, placenta, skeletal muscle, kidney and pancreas.

Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

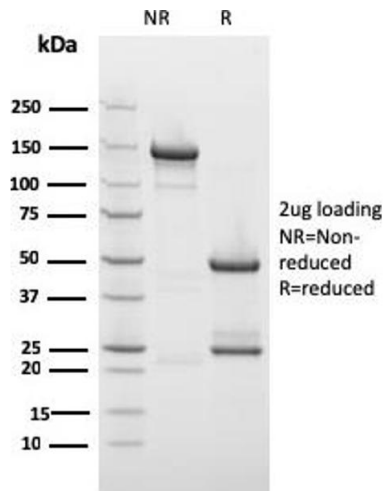
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

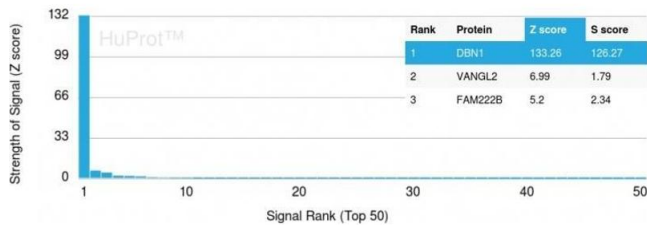
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



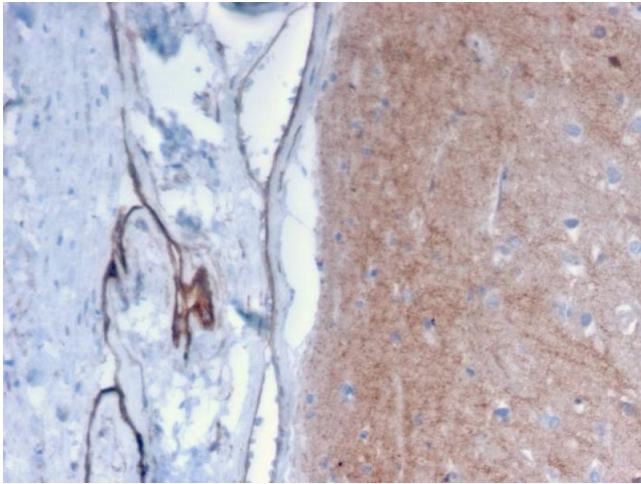
Western Blotting

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



Protein Array

Image 2. 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 (SDs) 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 SDs) 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.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Brain stained with Drebrin-1 Mouse Monoclonal Antibody (DBN1/2879).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939227.