

Datasheet for ABIN6937083
anti-DBN1 antibody (AA 150-281)



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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:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

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

Product Details

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	DBN1
Alternative Name:	DBN1 (DBN1 Products)
Background:	Developmentally regulated brain protein, Drebrin 1, Drebrin, Drebrin E, Drebrin E2, Drebrin1, DrebrinE,Drebrin 1 (DBN1) Cellular localisation: Cytoplasmic
Molecular Weight:	120kDa
Gene ID:	1627, 130316
UniProt:	Q16643
Pathways:	Maintenance of Protein Location

Application Details

Application Notes:	Known_Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive_Control: PC3 cells. Brain neurons. Also found in the heart, placenta, skeletal muscle, kidney and pancreas.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months