

Datasheet for ABIN7653280

anti-DBN1 antibody (AA 150-281) (CF®647)



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Overview

Quantity:	100 µL
Target:	DBN1
Binding Specificity:	AA 150-281
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DBN1 antibody is conjugated to CF®647
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Drebrin 1 (DBN1)(DBN1/3393), CF647 conjugate
Immunogen:	Recombinant fragment (aa 150-281) of human DBN1 protein
Clone:	DBN1-3393
Isotype:	IgG1, kappa
Characteristics:	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

Product Details

levels in the brain have been associated with Alzheimer's disease and Down syndrome. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	DBN1
Alternative Name:	Drebrin 1
Background:	Synonyms: Developmentally regulated brain protein, Drebrin 1, Drebrin, Drebrin E, Drebrin E2, Drebrin1, DrebrinE Gene Symbol: DBN1 Tissue Expression: Heart Skeletal Muscle Brain Kidney Neurons Pancreas Placenta
Molecular Weight:	120 kDa
Gene ID:	1627
UniProt:	Q16643
Pathways:	Maintenance of Protein Location

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: Brain neurons. Also found in the heart, placenta, skeletal muscle, kidney and pancreas.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Protect from light
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Storage:	4 °C
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Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
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Expiry Date:	24 months
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