Datasheet for ABIN7653289

anti-DBN1 antibody (AA 150-281) (CF®488A)

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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®488A
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Drebrin 1 (DBN1)(DBN1/3393), CF488A 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 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.
Handling Advice:	Protect from light
Storage:	4 °C
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
Expiry Date:	24 months