

Datasheet for ABIN7653273

## anti-DBN1 antibody (AA 150-281) (CF®405S)



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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®405S                                                                                    |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Purpose:         | Drebrin 1 (DBN1)(DBN1/2880), CF405S conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen:       | Recombinant fragment (aa 150-281) of human DBN1 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clone:           | DBN1-2880                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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<br>Gene Symbol: DBN1<br>Tissue Expression: Heart Skeletal Muscle Brain Kidney Neurons Pancreas Placenta |
| Molecular Weight: | 120 kDa                                                                                                                                                                                                                  |
| Gene ID:          | 1627                                                                                                                                                                                                                     |
| UniProt:          | <a href="#">Q16643</a>                                                                                                                                                                                                   |
| Pathways:         | <a href="#">Maintenance of Protein Location</a>                                                                                                                                                                          |

## Application Details

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| 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

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|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| 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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|          |      |
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| Storage: | 4 °C |
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| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
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| Expiry Date: | 24 months |
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