Datasheet for ABIN7602638

anti-DBN1 antibody (AA 9-649)

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Overview

Quantity:	100 µg
Target:	DBN1
Binding Specificity:	AA 9-649
Reactivity:	Human, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DBN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Drebrin/DBN1 Antibody Picoband®
Immunogen:	E.coli-derived human Drebrin/DBN1 recombinant protein (Position: H9-D649).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Drebrin/DBN1 Antibody Picoband® (ABIN7602638). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Rat, Monkey. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	DBN1
Alternative Name:	DBN1 (DBN1 Products)
Background:	Synonyms: Spermine oxidase, Polyamine oxidase 1, PAO-1, PAOh1, Smox, Smo Tissue Specificity: Widely expressed. Isoform 1 and isoform 2 are expressed at higher level in brain and skeletal muscle. Isoform 7 is found in brain and spleen, isoform 10 is widely expressed but found at lower level in heart, kidney, liver and lung. Background: Drebrin is a protein that in humans is encoded by the DBN1 gene. The protein encoded by this gene is a cytoplasmic actin-binding protein thought to play a role in the process of neuronal growth. It is a member of the drebrin family of proteins that are developmentally regulated in the brain. A decrease in the amount of this protein in the brain has been implicated as a possible contributing factor in the pathogenesis of memory disturbance in Alzheimer's disease. At least two alternative splice variants encoding different protein isoforms have been described for this gene.
Molecular Weight:	120 kDa
Gene ID:	1627
UniProt:	Q16643
Pathways:	Maintenance of Protein Location

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat, Monkey Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Akbar, M., Kim, H. Y. Protective effects of docosahexaenoic acid in staurosporine-induced apoptosis: involvement of phosphatidylinositol-3 kinase pathway. J. Neurochem. 82: 655-665, 2. Calon, F., Lim, G. P., Yang, F., Morihara, T., Teter, B., Ubeda, O., Rostaing, P., Triller, A., Salem, N., Jr., Ashe, K. H., Frautschy, S. A., Cole, G. M. Docosahexaenoic acid protects from dendritic pathology in an Alzheimer's disease mouse model. Neuron 43: 633-645, 2004. 3. Harigaya, Y., Shoji, M., Shirao, T., Hirai, S. Disappearance of actin-binding protein, drebrin, from hippocampal synapses in Alzheimer's disease. J. Neurosci. Res. 43: 87-92, 1996.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.