



Anti-DBN1 (aa 254-272) polyclonal antibody (DPAB2283GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Drebrin.
Antigen Description	Drebrin (developmentally-regulated brain protein) is a major neuronal F-actin binding protein involved in the control of actin dynamics and neuronal morphogenesis. Three major isoforms of drebrin, resulting from alternative splicing of a single gene, have been identified in the brain: the embryonic isoforms designated E1 and E2 and the adult or A isoform (95-120 kDa). An additional truncated form of drebrin A, s-drebrin/A2 (42 kDa), is specifically expressed in the adult brain, but not in non-neuronal tissues. Drebrin is also widely expressed in a variety of cells including epithelial, endothelial, and smooth muscle cells and is associated at cell-cell adhering junction sites. In neurons, the E2 isoform localizes to the submembrane region, while the A isoform is specifically located and evenly distributed throughout the post-synaptic dendritic spine.
Specificity	The antiserum specifically reacts with drebrin, a widespread actin-associating protein of 70 kD (SDS-PAGE mobility shows Mr 120,000). Drebrin has originally been described only in neuronal cells, but has been recently found also in the actin-rich lamellip
Immunogen	Synthetic human peptide (aa 254-272) coupled to KLH.
Source/Host	Guinea pig
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IF, IHC, IB, IP
Format	Whole antiserum
Size	100 µl

Buffer	Dilute immediately before use with PBS or TBS.
Preservative	None
Storage	Store at 2-8°C; for longer storage aliquots should be kept at 20°C.

GENE INFORMATION

Gene Name	DBN1 drebrin 1 [Homo sapiens]
Official Symbol	DBN1
Synonyms	DBN1; drebrin 1; drebrin; drebrin E; drebrin-1; drebrin E2; developmentally-regulated brain protein; DKFZp434D064; D0S117E; OTTHUMP00000161448; OTTHUMP00000161449; OTTHUMP00000165798; OTTHUMP00000223806
Entrez Gene ID	1627
Protein Refseq	NP_543157
UniProt ID	Q16643
Chromosome Location	5q35.3