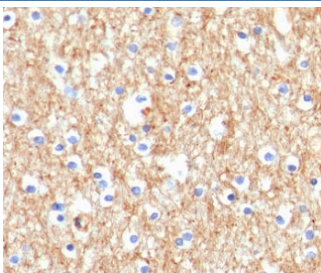


Drebrin 1 Antibody [clone DRBP1-1] (V7643)

| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V7643-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7643-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7643SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Bulk quote request

| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | DRBP1-1 |
| Purity | Protein G affinity chromatography |
| UniProt | Q16643 |
| Localization | Cytoplasmic |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This Drebrin 1 antibody is available for research use only. |



IHC staining of FFPE human brain with Drebrin 1 antibody (clone DRBP1-1). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

Description

Actin cytoskeleton-organizing protein that plays a role in the formation of cell projections. Required for actin polymerization at immunological synapses (IS) and for the recruitment of the chemokine receptor CXCR4 to IS. Plays a role in dendritic spine morphogenesis and organization, including the localization of the dopamine receptor DRD1 to the dendritic spines (By similarity). Involved in memory-related synaptic plasticity in the hippocampus (By similarity). [UniProt]

This antibody can be compared with our [Drebrin Antibody / DBN1 Neuronal Actin-Binding Protein Antibody](#) (clone DBN1/2880) for consistent detection of DBN1 across neuronal structure and cytoskeletal studies.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Drebrin 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 150-281 were used as the immunogen for the Drebrin 1 antibody.

Storage

Store the Drebrin 1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).