

For Research Use Only

# Dysbindin Polyclonal antibody

Catalog Number: 11132-1-AP **6 Publications**



## Basic Information

|  |   |  |
|--|---|--|
| <b>Catalog Number:</b><br>11132-1-AP   | <b>GenBank Accession Number:</b><br>BC011912        | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 500 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>84062                      | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IHC 1:50-1:500 |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>dystrobrevin binding protein 1 |  |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>351 aa, 39 kDa             |  |
| <b>Immunogen Catalog Number:</b><br>AG1613   | <b>Observed MW:</b><br>48 kDa, 36 kDa               |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>IHC, WB, ELISA    | <b>Positive Controls:</b><br>WB : mouse brain tissue, human testis tissue, mouse testis tissue<br>IHC : mouse brain tissue, |
| <b>Cited Applications:</b><br>IF, WB             |   |
| <b>Species Specificity:</b><br>human, mouse, rat |   |
| <b>Cited Species:</b><br>human, mouse            |   |

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Dysbindin, encoded by DTNBP1 (dystrobrevin binding protein 1), is a synaptic protein which is expressed in diverse neuronal populations throughout the brain. Genetic variation in DTNBP1 is associated with schizophrenia. Reduced expression of dysbindin has been reported in the dorsolateral prefrontal cortex (DLPFC) of schizophrenia cases. Several isoforms of dysbindin exist: 48-50 kDa of dysbindin-1A, 35-38 kDa of dysbindin-1B, and 30-32 kDa of dysbindin-1C. This antibody recognizes all of isoforms of dysbindin. (19617633)

## Notable Publications

| Author          | Pubmed ID | Journal                   | Application |
|-----------------|-----------|---------------------------|-------------|
| Seunghyi Kook   | 29190429  | Am J Respir Cell Mol Biol | WB          |
| William J Monis | 28576874  | J Cell Biol               |             |
| Erkang Fei      | 35124166  | Neuroscience              | WB          |

## Storage

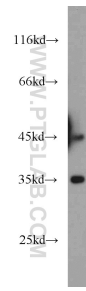
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

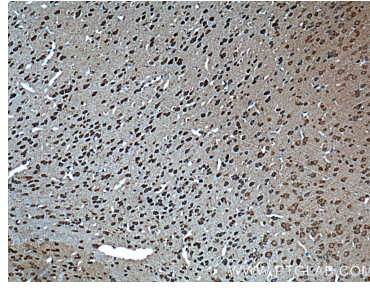
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E: proteintech@ptglab.com  
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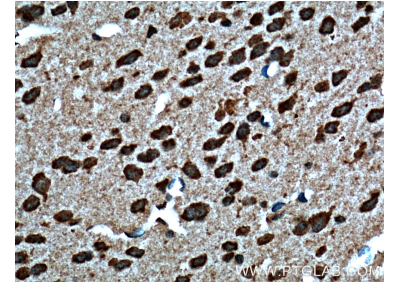
## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11132-1-AP (Dysbindin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11132-1-AP (Dysbindin antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11132-1-AP (Dysbindin antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).