For Research Use Only

Dysbindin Polyclonal antibody

Catalog Number:11132-1-AP 6 Publications

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Basic Information

Catalog Number:
11132-1-AP

Size:
150ul , Concentration: 500 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1613

GenBank Accession Number:
BC011912

GeneID (NCBI):
84062

UNIPROT ID:
Q96EV8

Full Name:
dystrobrevin binding protein 1

Calculated MW:
351 aa, 39 kDa

Observed MW:
48 kDa, 36 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
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

Positive Controls:

WB : mouse brain tissue, human testis tissue, mouse testis tissue

IHC : mouse brain tissue,

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

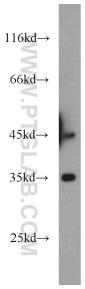
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

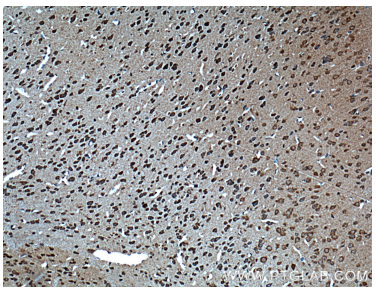
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

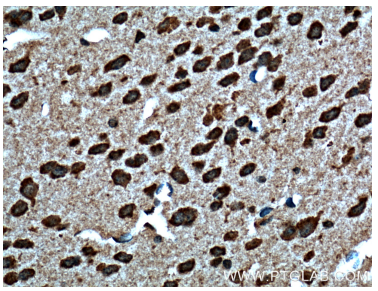
Selected Validation Data



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).