

For Research Use Only

# TRANK1 Polyclonal antibody, PBS Only

Catalog Number: 27583-1-PBS



## Basic Information

Catalog Number:

27583-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26206

GenBank Accession Number:

NM\_014831

GeneID (NCBI):

9881

Full Name:

Lupus brain antigen 1

Calculated MW:

336 kDa

Observed MW:

~330 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

Etratricopeptide repeat and ankyrin repeat containing 1 (TRANK1), has been confirmed as the susceptibility gene for BD (bipolar disorder). An integrated analysis of mRNA co-expression networks revealed that genes highly correlated with TRANK1 were significantly involved in the biological processes related to synaptic plasticity, dendritic spine, axon guidance and circadian rhythm. In addition, TRANK1 rs71947856 variant was associated with circadian regulation and Kleine-Levin syndrome, which is a rare disease characterized by severe episodic hypersomnia, with cognitive impairment and apathy or disinhibition. (PMID: 34014031)

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

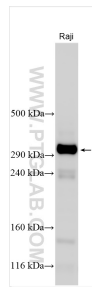
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27583-1-AP (TRANK1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27583-1-PBS in a different storage buffer formulation.