

For Research Use Only

TRANK1 Polyclonal antibody

Catalog Number: 27583-1-AP



Basic Information

Catalog Number: 27583-1-AP	GenBank Accession Number: NM_014831	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 9881	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: Lupus brain antigen 1	
Isotype: IgG	Calculated MW: 336 kDa	
Immunogen Catalog Number: AG26206	Observed MW: ~330 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: Raji cells,
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 -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

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

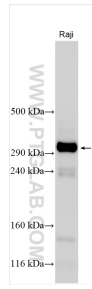
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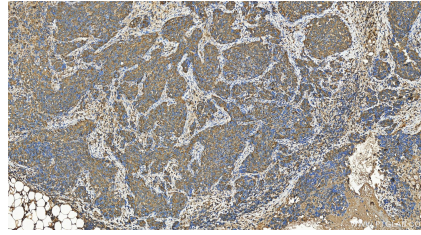
W: ptgcn.com

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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.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 27583-1-AP (TRANK1 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).