

For Research Use Only

TANC2 Polyclonal antibody

Catalog Number: 31541-1-AP



Basic Information

Catalog Number: 31541-1-AP	GenBank Accession Number: NM_001394998	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 26115	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9HCD6	
Isotype: IgG	Full Name: tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2	
Immunogen Catalog Number: AG35427	Calculated MW: 219kDa	
	Observed MW: 220 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, MCF-7 cells IF/ICC : HeLa cells,

Background Information

Tetratricopeptide repeat, ankyrin repeat, and coiled-coil containing 2 (TANC2), also known as KIAA1148 and KIAA1636, belongs to the TANC family. TANC2 is a large 220 kDa protein consisting of 1990 amino acid residues. Named after its domain architecture, it comprises tetratricopeptide (TPR) and ankyrin repeats (ANK), a coiled-coil domain, and a C-terminal PDZ-interacting motif. TANC2 is widely expressed in the developing human (in excitatory neurons and radial glial cells) and rodent brain as well as in the adult brain as a scaffold in the postsynaptic density (PSD) of excitatory neurons. As such, it facilitates cell signaling downstream of cell surface glutamate receptors through multi-protein complex formation with other PSD proteins (e.g. PSD95, SHANK1), influencing dendritic spine formation and synaptic strength (PMID: 33976205, 34964047).

Storage

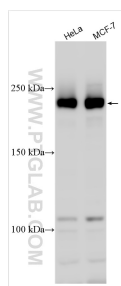
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

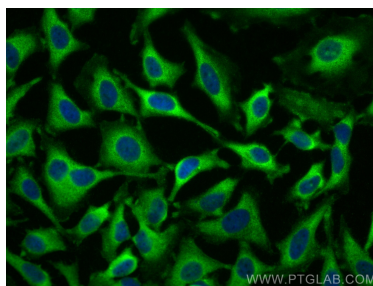
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31541-1-AP (TANC2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using TANC2 antibody (31541-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).