



## Rabbit Anti-TANC1 antibody

SL11037R

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| <b>Product Name:</b>          | TANC1  |
| <b>Chinese Name:</b>          | TANC1蛋白抗体  |
| <b>Alias:</b>                 | ROLSB; Protein TANC1; Rolling pebbles homolog B; TANC; Tanc1; TANC1_HUMAN; Tetratricopeptide repeat ankyrin repeat and coiled coil containing 1; Tetratricopeptide repeat ankyrin repeat and coiled coil domain containing protein 1; TPR domain ankyrin repeat and coiled coil containing.                                |
| <b>Organism Species:</b>      | Rabbit   |
| <b>Clonality:</b>             | Polyclonal   |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,  |
| <b>Applications:</b>          | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight:</b>      | 202kDa   |
| <b>Cellular localization:</b> | The cell membrane  |
| <b>Form:</b>                  | Lyophilized or Liquid  |
| <b>Concentration:</b>         | 1mg/ml   |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human TANC1:31-130/1861  |
| <b>Lsotype:</b>               | IgG  |
| <b>Purification:</b>          | affinity purified by Protein A   |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.   |
| <b>Storage:</b>               | Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癆. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆. |
| <b>PubMed:</b>                | <a href="#">PubMed</a>   |
| <b>Product Detail:</b>        | TANC (tetratricopeptide repeat, ankyrin repeat and coiled-coil domain-containing protein), also known as TANC1, is a 1,861 amino acid postsynaptic cell membrane protein that contains eleven ANK repeats, three TPR repeats and belongs to the TANC   |

family. Considered a scaffolding component in the postsynaptic density, TANC interacts with TNIK, SAPAP1, Alpha-internexin, CaMKII, NMDA 2 and GluR-1. It is also thought that TANC interacts directly with SAP 97, PSD-95 and Homer. Upon stimulation by Rap 2, MINK1 and TNIK may phosphorylate TANC. The TANC gene encodes two alternatively spliced isoforms, contains approximately 264,025 bases and maps to human chromosome 2q24.2. Making up approximately 8% of the human genome, chromosome 2 consists of 237 million bases and encodes over 1,400 genes. A number of genetic diseases are linked to genes on chromosome 2 including Harlequin ichthyosis, sitosterolemia and Alström syndrome.

**Function:**

May be a scaffold component in the postsynaptic density.

**Subunit:**

Interacts probably directly with DLG1, DLG4, HOMER1. Interacts with DLGAP1, INA, CAMK2A, GRIN2B and GRIA1. Interacts with TNIK. Interacts with MINK1.

**Subcellular Location:**

Cell junction, synapse, postsynaptic cell membrane, postsynaptic density.

**Post-translational modifications:**

Phosphorylated; by MINK1 and TNIK upon stimulation by RAP2A.

**Similarity:**

Belongs to the TANC family.  
Contains 11 ANK repeats.  
Contains 3 TPR repeats.

**SWISS:**

Q9C0D5

**Gene ID:**

85461

**Database links:**

[Entrez Gene: 85461](#)Human

[Omin: 611397](#)Human

[SwissProt: Q9C0D5](#)Human

[Unigene: 61590](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

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|  | therapeutic or diagnostic applications. |
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