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Datasheet for ABIN1388898

anti-TANC1 antibody (AA 31-130) (Alexa Fluor 647)

Overview

| | |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity: | 100 µL |
| Target: | TANC1 |
| Binding Specificity: | AA 31-130 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TANC1 antibody is conjugated to Alexa Fluor 647 |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|-----------------------------------------------------------|
| Immunogen: | KLH conjugated synthetic peptide derived from human TANC1 |
| Isotype: | IgG |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Rabbit |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--------------------------------------------------------------------------------------|
| Target: | TANC1 |
| Alternative Name: | TANC1 (TANC1 Products) |
| Background: | Synonyms: ROLSB, Protein TANC1, Rolling pebbles homolog B, TANC, Tanc1, TANC1_HUMAN, |

Target Details

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.

Background: 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-interneixin, 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 Alstr syndrome.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months