



PRODUCT DATA SHEET

Bioworld Technology, Inc.

TESPA1 polyclonal antibody

Catalog: BS35184

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Protein TESPA1: Required for the development and maturation of T-cells, its function being essential for the late stages of thymocyte development (By similarity). Plays a role in T-cell antigen receptor (TCR)-mediated activation of the ERK and NFAT signaling pathways, possibly by serving as a scaffolding protein that promotes the assembly of the LAT signalosome in thymocytes. May play a role in the regulation of inositol 1,4,5-trisphosphate receptor-mediated $\text{Ca}(2+)$ release and mitochondrial $\text{Ca}(2+)$ uptake via the mitochondria-associated endoplasmic reticulum membrane (MAM) compartment

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~59.2 kDa

Swiss-Prot:

A2RU30

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of TESPA1 protein

DATA:

Western blot analysis of NBAS expression in Jurkat (A), K562 (B) whole cell lysates.

Immunofluorescent analysis of NBAS staining in H9C2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber.

Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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