

# TSG101/VPS23 Rabbit pAb

Catalog No.: A2216 **26 Publications**

## Basic Information

### Observed MW

44kDa

### Calculated MW

44kDa

### Category

Primary antibody

### Applications

WB, IF/ICC, ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this gene belongs to a group of apparently inactive homologs of ubiquitin-conjugating enzymes. The gene product contains a coiled-coil domain that interacts with stathmin, a cytosolic phosphoprotein implicated in tumorigenesis. The protein may play a role in cell growth and differentiation and act as a negative growth regulator. In vitro steady-state expression of this tumor susceptibility gene appears to be important for maintenance of genomic stability and cell cycle regulation. Mutations and alternative splicing in this gene occur in high frequency in breast cancer and suggest that defects occur during breast cancer tumorigenesis and/or progression.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IF/ICC** 1:50-1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

7251

### Swiss Prot

Q99816

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

TSG10; VPS23; TSG101/VPS23

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

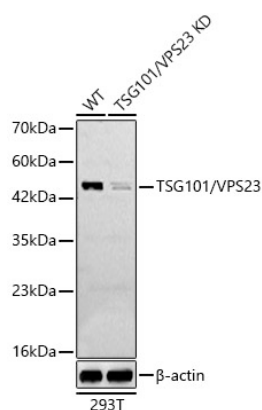
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and TSG101/VPS23 knockdown (KD) SH-SY5Y(KD) cells, using TSG101/VPS23 Rabbit pAb (A2216) at 1:800 dilution.

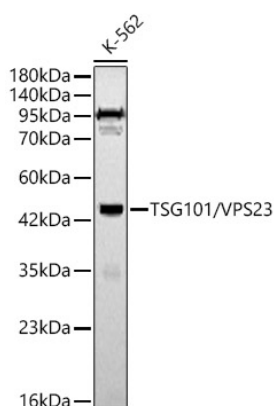
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of lysates from K-562 cells, using TSG101/VPS23 Rabbit pAb (A2216) at 1:800 dilution.

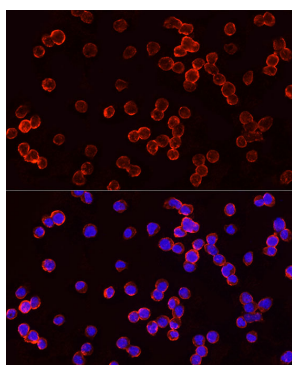
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25μg per lane.

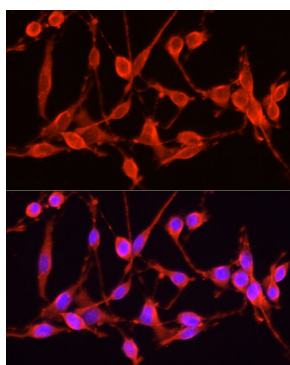
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Immunofluorescence analysis of Jurkat cells using TSG101/VPS23 Rabbit pAb (A2216) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using TSG101/VPS23 Rabbit pAb (A2216) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.