Leader in Biomolecular Solutions for Life Science

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TSG101/VPS23 Rabbit pAb

Catalog No.: A1692 **27 Publications**

Basic Information

Observed MW
44kDa

Calculated MW
44kDa

Category
Primary antibody

Applications
ELISA,WB,IF/ICC

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 - 1:2000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
7251

Swiss Prot
Q99816

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 291-390 of human TSG101/VPS23 (NP_006283.1).

Synonyms
TSG10; VPS23; TSG101/VPS23

Contact

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Product Information

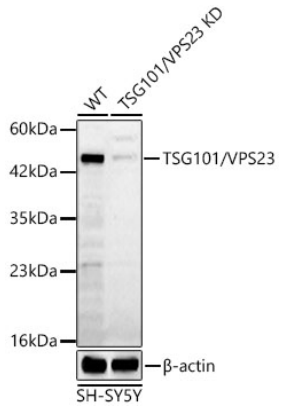
Source
Rabbit

Isotype
IgG

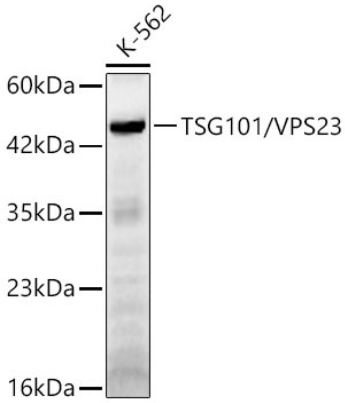
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

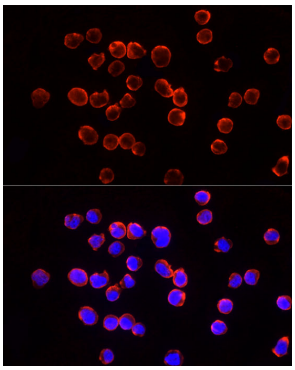
Validation Data



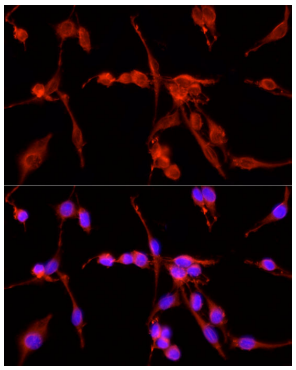
Western blot analysis of lysates from wild type (WT) and TSG101/VPS23 knockdown (KD) SH-SY5Y cells using TSG101/VPS23 Rabbit pAb (A1692) at 1:500 dilution.
Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection:ECL Basic Kit (RM00020).
Exposuretime: 120s.



Western blot analysis of lysates from K-562 cells using TSG101/VPS23 Rabbit pAb(A1692) at 1:500 dilution.
Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection:ECL Basic Kit (RM00020).
Exposuretime:120s.



Immunofluorescence analysis of Jurkat cells using TSG101/VPS23 Rabbit pAb (A1692) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 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 (A1692) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.