

Datasheet for ABIN7600712
anti-TSG101 antibody (AA 223-257)



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Overview

Quantity:	100 µg
Target:	TSG101
Binding Specificity:	AA 223-257
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSG101 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-TSG101 Antibody Picoband®
Immunogen:	E.coli-derived human TSG101 recombinant protein (Position: E223-K257).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-T Antibody Picoband® (ABIN7600712). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	TSG101
Alternative Name:	TSG101 (TSG101 Products)
Background:	Synonyms: Histone deacetylase 5, HD5, Antigen NY-CO-9, HDAC5, KIAA0600 Tissue Specificity: Ubiquitous. Background: TSG101, known as Tumor susceptibility gene 101, is mapped to 11p15. 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. And 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.
Molecular Weight:	44 kDa
Gene ID:	7251
UniProt:	Q99816

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. "Entrez Gene: TSG101 tumor susceptibility gene 101". 2. Lu Q, Hope LW, Brasch M, Reinhard C, Cohen SN (June 2003). "TSG101 interaction with HRS mediates endosomal trafficking and receptor down-regulation". Proc. Natl. Acad. Sci. U.S.A. 100 (13): 7626-31. 3. Sun Z, Pan J, Hope WX, Cohen SN, Balk SP (August 1999). "Tumor susceptibility gene 101 protein represses androgen receptor transactivation and interacts with p300". Cancer 86 (4): 689-96.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.