

TSG101 Monoclonal Antibody

ORDERING INFORMATION

Catalog no.	Clone No.	MAb Subtype	Size
3352	4A10	IgG1	100ul

Format: 1.36mg/ml in PBS, pH 7.2 purified by antigen affinity chromatography from cell culture supernatant.

BACKGROUND

Tumor Susceptibility Gene 101 (TSG101) codes for a 46kDa protein whose inactivation in mouse fibroblasts results in cell transformation and tumor formation in nude mice. Mutations in TSG101 have been linked to cervical, breast, prostate and gastrointestinal cancers. In addition, TSG101 is one of the cellular proteins involved in the budding process of HIV-1, and plays an important role in the cellular vacuolar protein sorting (Vps) pathway. Its main function being recognizing ubiquitinated cargo, TSG101 also proved to be essential for the budding process of HIV-1 virions.

SPECIFICATION SUMMARY

Antigen: Recombinant protein corresponding to aa 167-374 of TSG101 protein.

Gene ID: 7251

Accession no.: Q99816

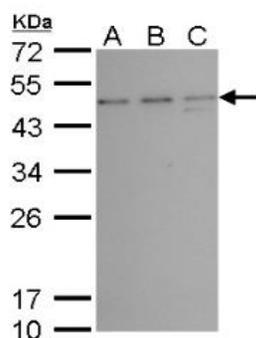
Host Species: Mouse

Specificity: This antibody recognizes human, mouse, rat, hamster, and monkey TSG101 protein.

APPLICATIONS

ELISA: use at 1-5ug/ml.

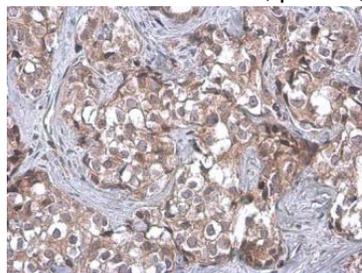
Immunoblotting: use at a 1:500-1:3,000 dilution. A band of 46kDa is detected.



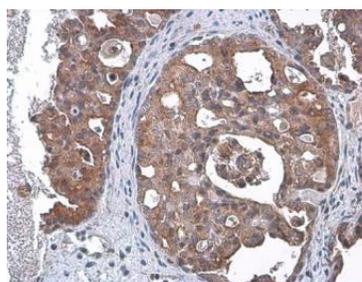
Detection of TSG101 protein in (A) NIH-3T3 cell lysate, (B) JC cell lysate, and (C) BCL-1 cell lysate with #3352 diluted 1:500.

Endusers should determine optimal antibody concentrations for their applications.

IHC: use at a dilution of 1:100 with antigen retrieval: citrate buffer, pH 6.0, 15 minutes.



Detection of TSG101 protein in paraffin-embedded human breast carcinoma.



Detection of TSG101 protein in paraffin-embedded human ovarian carcinoma.

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DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least one (1) year if stored at -20°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.