

For Research Use Only

TSG101 Recombinant antibody

Catalog Number: 84334-4-RR



Basic Information

Catalog Number: 84334-4-RR	GenBank Accession Number: BC002487	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7251	CloneNo.: 241657A1
Source: Rabbit	UNIPROT ID: Q99816	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Isotype: IgG	Full Name: tumor susceptibility gene 101	
Immunogen Catalog Number: AG28569	Calculated MW: 44 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, JurKat cells, K-562 cells, NIH/3T3 cells, HSC-T6 cells

IHC : human colon cancer tissue,

Background Information

TSG101(Tumor susceptibility gene 101 protein) is essential for endosomal sorting, membrane receptor degradation and the final stages of cytokinesis. It plays a crucial role for cell proliferation and cell survival. TSG101 has been identified as a candidate tumor suppressor gene and belongs to the ubiquitin-conjugating enzyme family. TSG101 is a marker for exosome. This protein has 2 isoforms produced by alternative splicing with the molecular mass of 44 and 32 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

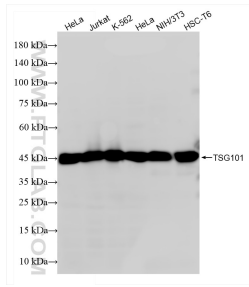
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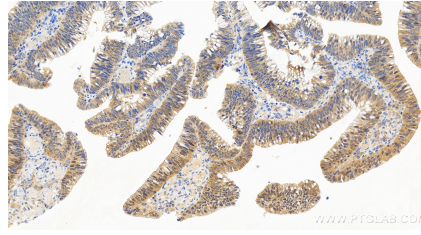
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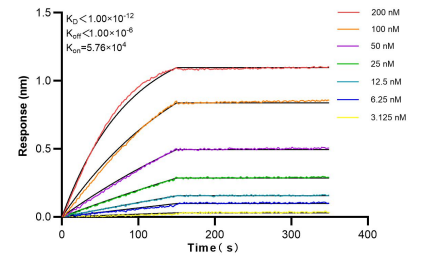
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84334-4-RR (TSG101 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 84334-4-RR (TSG101 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 84334-4-RR against Human TSG101 were performed. The affinity constant is below 1 pM.