

Product datasheet for **AP20455PU-N**

TSG101 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 1/50 - 1/200. Immunofluorescence: 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Tsg 101 protein. (region surrounding Glu303)
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 45 kDa
Gene Name:	tumor susceptibility 101
Database Link:	<u>Entrez Gene 22088 Mouse</u> <u>Entrez Gene 292925 Rat</u> <u>Entrez Gene 7251 Human</u> <u>Q99816</u>



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Background:

It is now well accepted that the transformation of a normal cell to one that is malignant can result from mutations in genes that encode proteins with key regulatory functions. Examples include the retinoblastoma gene product (Rb p110), p53, VHL and APC. Using a novel cloning strategy that allows the isolation of previously uncharacterized genes encoding selectable recessive phenotypes, an additional tumor suppressor gene has been identified. This gene, termed tsg 101 for tumor susceptibility gene 101, encodes a stathmin binding domain protein. When expression of this growth inhibitory gene is blocked in NIH/3T3 cells using antisense mRNA, the cells exhibit a transformed phenotype and are tumorigenic in SL6 mice.

Synonyms:

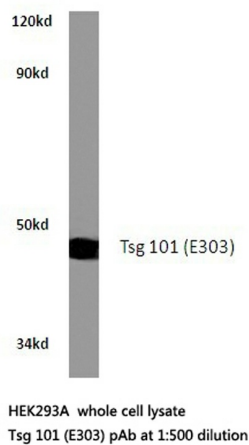
TSG10; VPS23

Protein Families:

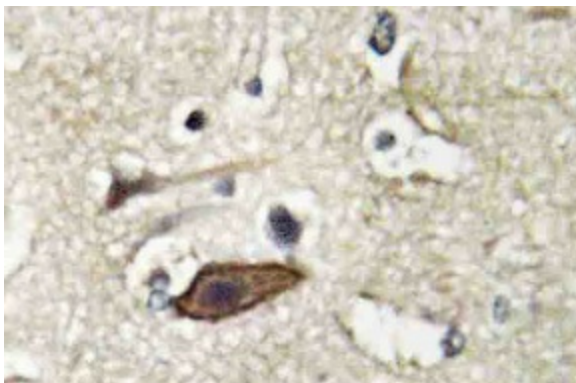
Druggable Genome, Transcription Factors

Protein Pathways:

Endocytosis

Product images:


Western blot (WB) analysis of Tsg 101 antibody (Cat.-No.: AP20455PU-N) in extracts from HEK293A cells.



Immunohistochemistry (IHC) analyzes of Tsg 101 antibody (Cat.-No.: AP20455PU-N) in paraffin-embedded human brain tissue.