

## Securin Rabbit mAb

Catalog No: #49831



Package Size: #49831-1 50ul #49831-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

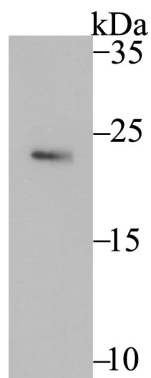
## Description

Product Name	Securin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB37-37
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,FC,IP
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	AW555095 antibody C87862 antibody Cut2 antibody EAP 1 antibody EAP1 antibody ESP1 associated protein 1 antibody Esp1-associated protein antibody hPTTG antibody MGC126883 antibody MGC138276 antibody Pds1 antibody Pituitary tumor transforming 1 antibody Pituitary tumor transforming protein 1 antibody Pituitary tumor-transforming 1, isoform CRA_a antibody Pituitary tumor-transforming 1, isoform CRA_b antibody Pituitary tumor-transforming gene 1 antibody Pituitary tumor-transforming gene 1 protein antibody PTTG 1 antibody PTTG antibody PTTG1 antibody PTTG1 protein antibody PTTG1_HUMAN antibody Pttg3 antibody Securin antibody Tumor transforming 1 antibody Tumor transforming protein 1 antibody Tumor-transforming protein 1 antibody TUTR 1 antibody TUTR1 antibody
Accession No.	Swiss-Prot:O95997Gene ID:9232
Uniprot	O95997
GeneID	9232;
Calculated MW	22 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

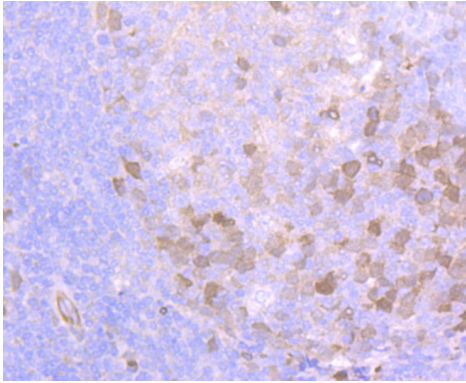
## Application Details

WB: 1:500 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

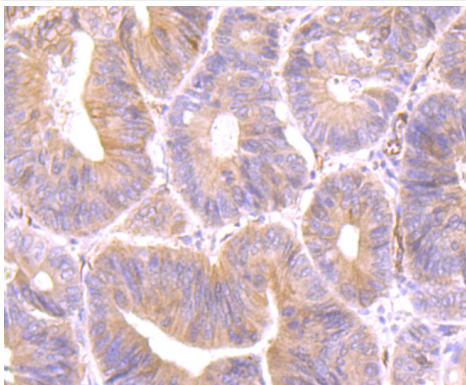
## Images



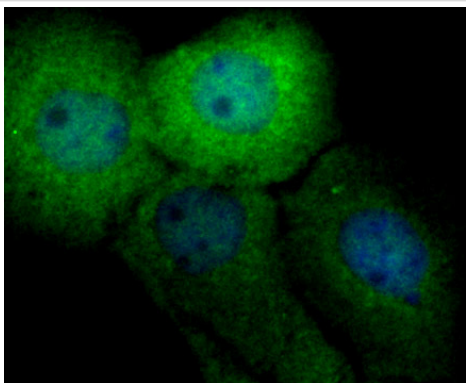
Western blot analysis of Securin on SiHa cell lysate using anti-Securin antibody at 1/500 dilution.



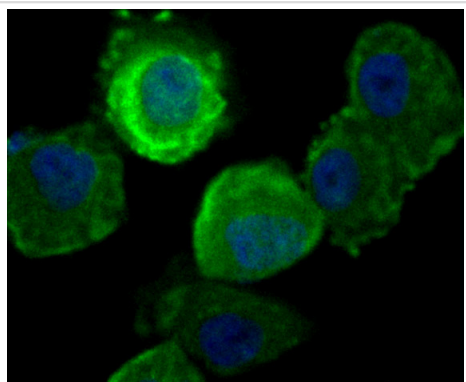
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Securin antibody. Counter stained with hematoxylin.



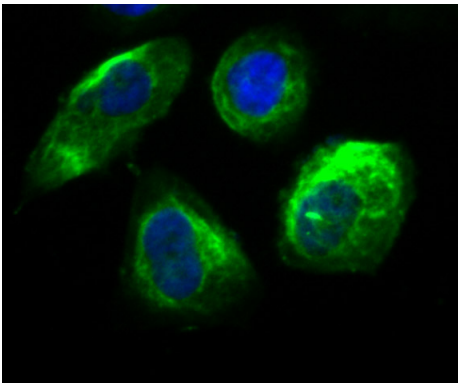
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Securin antibody. Counter stained with hematoxylin.



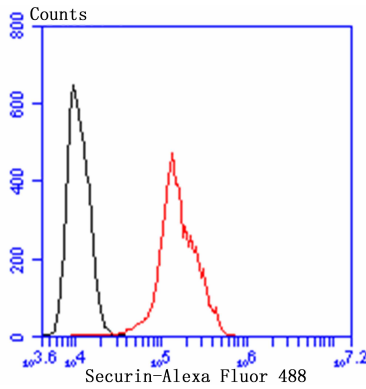
ICC staining Securin in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Securin in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Securin in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of A431 cells with Securin antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

## Background

The product of the oncogene PTTG, pituitary tumor transforming gene, is a human homolog of the anaphase-inhibitor vertebrate protein, securin. PTTG contains a basic amino-terminal domain and an acidic carboxy-terminal domain, which acts as a transactivation domain when fused to a heterologous DNA binding domain. Human PTTG is overexpressed in Jurkat and is also detected in human thymus, testis and placenta. PTTG is mainly expressed in the cytoplasm and is also partially localized to the nucleus. Vertebrate PTTG regulates the separin Esp1, which promotes chromatid separation, to overcome the cohesive forces that hold sister chromatids together. This regulatory function of PTTG suggests that defective regulation of cohesion may contribute to cancer by promoting chromosome instability. Although vertebrate PTTG shares cell-cycle functions with its yeast securin counterparts Pds1p and Cut2, none share sequence homology.

## References

Note: This product is for in vitro research use only