

Summary

Production Name	Securin Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-P,IP
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	PTTG1
Alternative Names	PTTG1; EAP1; PTTG; TUTR1; Securin; Esp1-associated protein; Pituitary tumor-transforming gene 1 protein; Tumor-transforming protein 1; hPTTG
Gene ID	9232
SwissProt ID	O95997

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20
Molecular Weight	Calculated MW: 22 kDa; Observed MW: 25 kDa

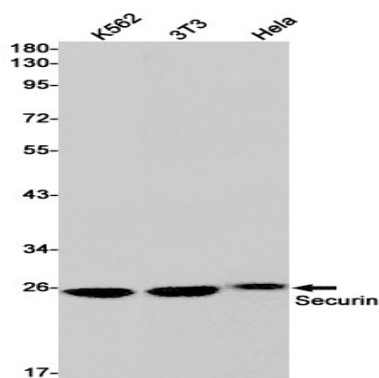
Background

Regulatory protein, which plays a central role in chromosome stability, in the p53/TP53 pathway, and DNA repair. Probably acts by blocking the action of key proteins. During the mitosis, it blocks Separase/ESPL1 function, preventing the proteolysis of the cohesin complex and the subsequent segregation of the chromosomes. At the onset of anaphase, it is ubiquitinated, conducting to its destruction and to the liberation of ESPL1. Its function is however not limited to a blocking activity, since it is required to activate ESPL1. Negatively regulates the transcriptional activity and related apoptosis activity of TP53. The negative regulation of TP53 may explain the strong transforming capability of the protein when it is overexpressed. May also play a role in DNA repair via its interaction with Ku, possibly by connecting DNA damage-response pathways with sister chromatid separation.

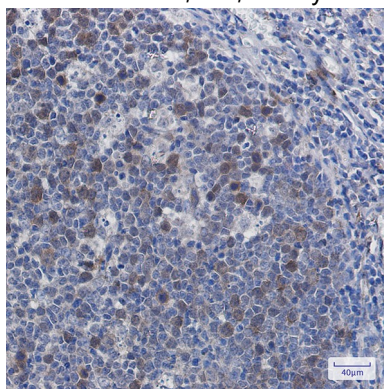
Research Area

Cell Biology

Image Data



Western blot analysis of Securin in K562, 3T3, HeLa lysates using Securin antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Securin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Product Name: Securin Rabbit Monoclonal Antibody
Catalog #: AMRe02583



Note

For research use only.