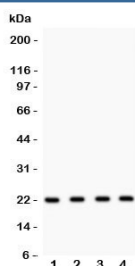


## Securin Antibody (R31364)

Catalog No.	Formulation	Size
R31364	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	O95997
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This Securin antibody is available for research use only.



Western blot testing of Securin antibody and Lane 1: HeLa; 2: MCF-7; 3: SKOV; 4: A375 lysate. Predicted molecular weight ~22 kDa, can be observed at 25-30 kDa.

## Description

Securin, also known as pituitary tumor-transforming 1 or EAP1 is a protein that in humans is encoded by the PTTG1 gene. The encoded protein is a homolog of yeast securin proteins, which prevent separins from promoting sister chromatid separation. It is an anaphase-promoting complex(APC) substrate that associates with a separin until activation of the APC. The gene product has transforming activity in vitro and tumorigenic activity in vivo, and is highly expressed in various tumors. Securin contains 2 PXXP motifs, which are required for its transforming and tumorigenic activities, as well as for its stimulation of basic fibroblast growth factor expression. It also contains a destruction box(D box) that is required for its degradation by the APC. The acidic C-terminal region of the encoded protein can act as a transactivation domain. It is mainly a cytosolic protein, although it partially localizes in the nucleus.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Securin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Amino acids 146-161 (LMILDEERELEKLFQL-human) were used as the immunogen for this Securin antibody.

## Storage

After reconstitution, the Securin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.