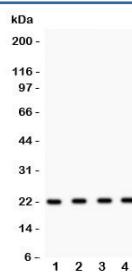


## Securin Antibody (R31364)

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

**Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O95997
Applications	Western Blot : 0.5-1ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.