

## Securin Conjugated Antibody

Catalog No: #C49831



Package Size: #C49831-AF350 100ul #C49831-AF405 100ul #C49831-AF488 100ul  
 #C49831-AF555 100ul #C49831-AF594 100ul #C49831-AF647 100ul  
 #C49831-AF680 100ul #C49831-AF750 100ul #C49831-Biotin 100ul

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## Description

Product Name	Securin Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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#:O95997/Q6IAL9
Uniprot	O95997
GeneID	9232;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	22 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## 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.

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Note: This product is for in vitro research use only