

## Anti-Securin/PTTG1 Antibody Picoband® APC Conjugated

Catalog Number: PA2240-APC

### About PTTG1

Securin, also known as pituitary tumor-transforming 1 or EAP1 is a protein that in humans is encoded by the PTTG1 gene. PTTG1 gene is mapped to 5q33.3. 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 the gene is highly expressed in various tumors. The gene product 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. The gene product is mainly a cytosolic protein, although it partially localizes in the nucleus.

### Overview

Product Name	Anti-Securin/PTTG1 Antibody Picoband® APC Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O95997

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Securin, different from the related rat sequence by four amino acids, and from the related mouse sequence by five amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm

	Emission Wavelength: 660 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 24879625, Zhang E, Liu S, Xu Z, Huang S, Tan X, Sun C, Lu L. Tumour Biol. 2014 Sep;35(9):8801-11. Doi: 10.1007/S13277-014-2143-2. Epub 2014 May 31. Pituitary Tumor-Transforming Gene 1 (Pttg1) Is Overexpressed In Oral Squamous Cell Carcinoma (Osc) And Promo...

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