

Anti-Securin/PTTG1 Antibody Picoband®

Catalog Number: PA2240

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®
Reactive Species	Human
Description	Boster Bio Anti-Securin/PTTG1 Antibody catalog # PA2240. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
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.
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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

Anti-Securin/PTTG1 Antibody Picoband® (PA2240) Images



Anti-Securin antibody, PA2240, Western blotting
All lanes:
Anti PTTG1 (PA2240) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: MCF-7 Whole Cell Lysate at 40ug
Lane 3: SKOV Whole Cell Lysate at 40ug
Lane 4: A375 Whole Cell Lysate at 40ug
Predicted bind size: 22KD
Observed bind size: 22KD

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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