

## Anti-Securin Monoclonal Antibody

Catalog Number: M02099

### Overview

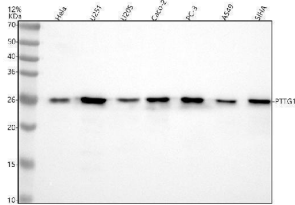
Product Name	Anti-Securin Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Securin Monoclonal Antibody catalog # M02099. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal ADFH-16
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *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. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O95997

### Technical Details

Immunogen	A synthesized peptide derived from human Securin Regulatory protein, which plays a central role in chromosome stability, in the p53/TP53 pathway, and DNA repair. Probably acts by blocking the action of key proteins. During the mitosis, it blocks Separase/ESPL1 function, preventing the proteolysis of the cohesin complex and the subsequent segregation of the chromosomes.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:30 FC 1:50



## Anti-Securin Monoclonal Antibody (M02099) Images



Western blot analysis of PTTG1 using anti-PTTG1 antibody (M02099). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human U20S whole cell lysates, Lane 4: human Caco-2 whole cell lysates, Lane 5: human PC-3 whole cell lysates, Lane 6: human A549 whole cell lysates, Lane 7: human SIHA whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PTTG1 antigen affinity purified monoclonal antibody (M02099) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for PTTG1 at approximately 26 kDa. The expected band size for PTTG1 is at 22 kDa.

## 1 Publications Citing This Product

1. PubMed ID: 34081985, Liu XM,Chen F,Wang L,Zhang F,Huo LJ.Checkpoint kinases are required for oocyte meiotic progression by the maintenance of normal spindle structure and chromosome condensation.Exp Cell Res.2021 May 31:112657.doi:10.1016/j.yexcr.2021.112657.Epub ahead of print. PMID:34081985.

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