

Datasheet for ABIN391532

**anti-PTTG1 antibody (N-Term)****3** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	PTTG1
Binding Specificity:	AA 16-45, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTTG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This PTTG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-45 amino acids from the N-terminal region of human PTTG1.
Clone:	RB18596
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	PTTG1
Alternative Name:	PTTG1 ( <a href="#">PTTG1 Products</a> )

## Target Details

Background:	PTTG1 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 protein has transforming activity in vitro and tumorigenic activity in vivo, and is highly expressed in various tumors. This protein 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 protein can act as a transactivation domain. It is mainly a cytosolic protein, although it partially localizes in the nucleus.
Molecular Weight:	22024
Gene ID:	9232
NCBI Accession:	<a href="#">NP_001269311</a> , <a href="#">NP_001269312</a> , <a href="#">NP_004210</a>
UniProt:	<a href="#">O95997</a>

## Application Details

Application Notes:	IF: 1:100. WB: 1:500. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

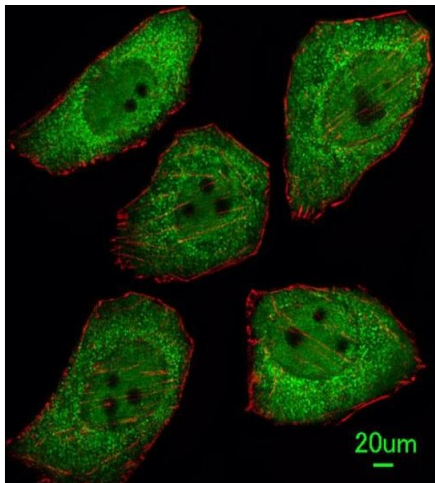
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

## Publications

Product cited in:	Cui, Xu, Song, Zhao, Liu, Song: "Pituitary tumor transforming gene: a novel therapeutic target for
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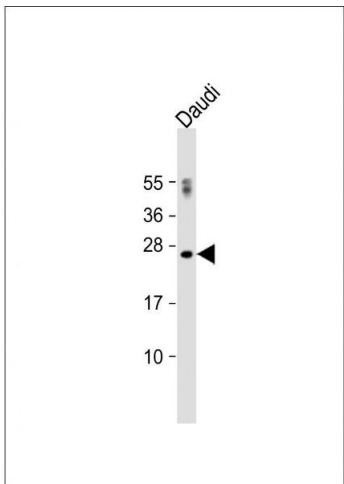
glioma treatment." in: **Acta biochimica et biophysica Sinica**, Vol. 47, Issue 6, pp. 414-21, (2015)  
([PubMed](#)).

Images



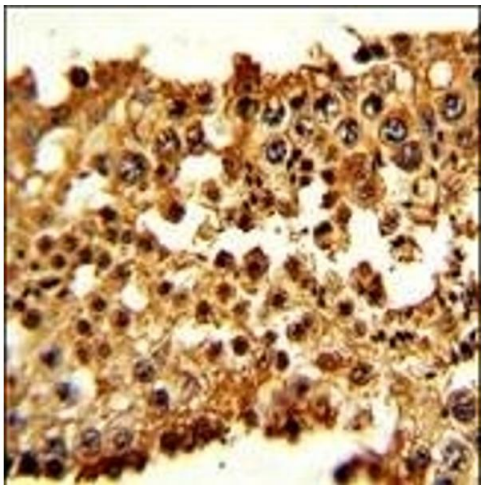
Immunofluorescence

**Image 1.** Immunofluorescent analysis of cells, using PTTG1 Antibody (N-term) (ABIN391532 and ABIN2841485). (ABIN391532 and ABIN2841485) was diluted at 1:100 dilution. Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Dylight Fluor® 554 (red) conjugated Phalloidin (red).



Western Blotting

**Image 2.** Anti-PTTG1 Antibody (N-term) at 1:500 dilution + Daudi whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin-embedded human testis tissue with PTTG1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.