

Datasheet for ABIN7168745
anti-PTTG1 antibody (AA 2-202) (Biotin)



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Overview

Quantity:	100 µg
Target:	PTTG1
Binding Specificity:	AA 2-202
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTTG1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Securin protein (2-202AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PTTG1
Alternative Name:	PTTG1 (PTTG1 Products)
Background:	Background: 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.

Target Details

During the mitosis, it blocks Separase/ESPL1 function, preventing the proteolysis of the cohesin complex and the subsequent segregation of the chromosomes. At the onset of anaphase, it is ubiquitinated, conducting to its destruction and to the liberation of ESPL1. Its function is however not limited to a blocking activity, since it is required to activate ESPL1. Negatively regulates the transcriptional activity and related apoptosis activity of TP53. The negative regulation of TP53 may explain the strong transforming capability of the protein when it is overexpressed. May also play a role in DNA repair via its interaction with Ku, possibly by connecting DNA damage-response pathways with sister chromatid separation.

Aliases: 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

UniProt: [O95997](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.