G-Biosciences Image not found or type unknown

Immunotag™ PTTG1 Antibody

Antibody Specification

Catalog No.	ITA3953
Product Description	Immunotag™ PTTG1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PTTG1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000 IHC1:50-1:200 IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	PTTG1 Antibody detects endogenous levels of total PTTG1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PTTG1
Accession No.	O95997

Antibody Specification

Alternate Names	AW555095; C87862; Cut2; EAP 1; EAP1; ESP1 associated protein 1; Esp1-associated protein; hPTTG; MGC126883; MGC138276; Pds1; Pituitary tumor transforming 1; Pituitary tumor transforming protein 1; Pituitary tumor-transforming 1, isoform CRA_a; Pituitary tumor-transforming 1, isoform CRA_b; Pituitary tumor-transforming gene 1; Pituitary tumor-transforming gene 1 protein; PTTG 1; PTTG; PTTG1; PTTG1 protein; PTTG1_HUMAN; Pttg3; Securin; Tumor transforming 1; Tumor transforming protein 1; Tumor-transforming protein 1; TUTR 1; TUTR1;
Description	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. 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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	30 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.