

Human pituitary tumor-transforming 1 ELISA Kit | PTTG1 elisa kit

Human Securin, PTTG1 ELISA Kit

CATALOG #
AAA113112

REACTIVITY
Human

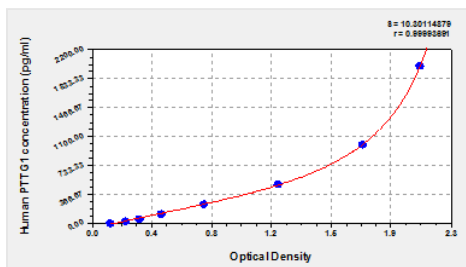
PRODUCT SYNONYMS

pituitary tumor-transforming 1; Human Securin; PTTG1 ELISA Kit; Human Securin (PTTG1) ELISA kit; EAP1; HPTTG; MGC126883; MGC138276; PTTG; TUTR1; ESP1-associated protein 1; OTTHUMP00000160845; pituitary tumor-transforming protein 1; securin; tumor-transforming protein 1; PTTG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PTTG1. No significant cross-reactivity or interference between human PTTG1 and analogues was observed.
Sequence Length	202
Samples	Serum, plasma, tissue homogenates, cell lysates.
Assay Type	Sandwich
Detection Range	31.2 pg/ml -2000 pg/ml.
Sensitivity	7.8 pg/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTTG1 elisa kit	Principle of the Assay This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PTTG1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTTG1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTTG1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTTG1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
References	A Novel KSP Inhibitor, KPYB10602, Induces Mitotic Arrest and Cell Death in Breast Cancer Cells . Seiko Kojima-Tsuchiya, Yuki Ohta, Mitsuko Takenaga, Jun Niimi, Daiki Watanabe, Satoshi Tsunoda, Masanori Ootaki, Shinya Oishi, Nobutaka Fujii, Naoki Matsumoto, Koichiro Tsugawa (2016)

NCBI AND UNIPROT INFORMATION

NCBI GI #	538260592
NCBI GeneID	9232
NCBI Accession #	NP_001269311.1
NCBI GenBank Nucleotide #	NM_001282382.1
UniProt Accession #	O95997
Molecular Weight	22,024 Da
NCBI Official Full Name	securin
NCBI Official Synonym Full Names	pituitary tumor-transforming 1
NCBI Official Symbol	PTTG1
NCBI Official Synonym Symbols	EAP1; PTTG; HPTTG; TUTR1
NCBI Protein Information	securin; ESP1-associated protein 1; tumor-transforming protein 1; pituitary tumor-transforming gene 1 protein
UniProt Protein Name	Securin
UniProt Gene Name	PTTG1
UniProt Synonym Gene Names	EAP1; PTTG; TUTR1; Tumor-transforming protein 1; hPTTG
UniProt Entry Name	PTTG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.