

Rat Securin (PTTG1) ELISA Kit

Catalog No: #EK7940



Package Size: #EK7940-1 48T #EK7940-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Rat Securin (PTTG1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	EAP1; HPTTG; MGC126883; MGC138276; PTTG; TUTR1; ESP1-associated protein 1 OTTHUMP00000160845 pituitary tumor-transforming protein 1 securin tumor-transforming protein 1
Accession No.	P97613
Uniprot	P97613
GenID	64193;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PTTG1 in samples. An antibody specific for PTTG1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPTTG1 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, Streptavidin 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.**Product Overview:**Securin 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 gene product has transforming activity in vitro and tumorigenic activity in vivo, and the gene is highly expressed in various tumors. The gene product 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 encoded protein can act as a transactivation domain. The gene product is mainly a cytosolic protein, although it partially localizes in the nucleus.

Note: This product is for in vitro research use only