

Mouse Pituitary tumor-transforming gene 1 protein-interacting protein (PTTG1IP) ELISA Kit



Catalog No: #EK7939

Orders: order@signalwayantibody.com

Package Size: #EK7939-1 48T #EK7939-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Pituitary tumor-transforming gene 1 protein-interacting protein (PTTG1IP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	C21orf1; C21orf3; PBF; PTTG-binding factor pituitary tumor-transforming gene 1 protein-interacting protein pituitary tumor-transforming gene protein-binding factor
Accession No.	Q8R143
Uniprot	Q8R143
GeneID	108705;
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 PTTG1IP in samples. An antibody specific for PTTG1IP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPTTG1IP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTTG1IP 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 PTTG1IP bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**PTTG1IP, which directly binds to pituitary tumor-transforming gene 1 protein (PTTG1), facilitates the nuclear translocation of PTTG1 and potentiates the transcriptional activation of basic fibroblast growth factor by PTTG1. The gene product localizes to both the cytoplasm and nucleus. Its NLS is required for its own nuclear localization, the nuclear localization of PTTG1, and its interaction with PTTG1.

The predicted 180-amino acid C21ORF3 protein has features of a type Ia integral membrane protein and contains the tetrapeptide YXRF, a motif observed in proteins internalized via coated pit-mediated endocytosis. Northern blot analysis detected a 2.69-kb C21ORF3 mRNA in all tissues examined.

Note: This product is for in vitro research use only