

# Rat Prolactin regulatory element-binding protein (PREB) ELISA Kit



Catalog No: #EK8321

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Package Size: #EK8321-1 48T #EK8321-2 96T

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Rat Prolactin regulatory element-binding protein (PREB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	MGC3467; SEC12; prolactin regulatory binding-element protein prolactin regulatory element binding protein
Accession No.	Q9WTV0
Uniprot	Q9WTV0
GeneID	58842;
Storage	<p>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.</p> <p>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).</p>

## 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 PREB in samples. An antibody specific for PREB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPREB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PREB 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 PREB bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Prolactin regulatory element-binding protein is a protein that in humans is encoded by the PREB gene.This gene encodes a protein that specifically binds to a Pit1-binding element of the prolactin (PRL) promoter. This protein may act as a transcriptional regulator and is thought to be involved in some of the developmental abnormalities observed in patients with partial trisomy 2p. This gene overlaps the abhydrolase domain containing 1 (ABHD1) gene on the opposite strand.

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Note: This product is for in vitro research use only