

Human Protein patched homolog 1 (PTCH1) ELISA Kit



Catalog No: #EK8039

Orders: order@signalwayantibody.com

Package Size: #EK8039-1 48T #EK8039-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Protein patched homolog 1 (PTCH1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-435O5.3; BCNS; FLJ26746; FLJ42602; HPE7; NBCCS; PTC; PTC1; PTCH; PTCH11; OTTHUMP00000021709 OTTHUMP00000021710 PTCH protein +12b PTCH protein +4 PTCH protein -10 patched
Accession No.	Q13635
Uniprot	Q13635
GeneID	5727;
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:25-1600 pg/mL

Sensitivity:6.25 pg/mL

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 PTCH1 in samples. An antibody specific for PTCH1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPTCH1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTCH1 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 PTCH1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**PTCH1 encodes a member of the patched gene family. The encoded protein is the receptor for sonic hedgehog, a secreted molecule implicated in the formation of embryonic structures and in tumorigenesis. This gene functions as a tumor suppressor.

Mutations of this gene have been associated with nevoid basal cell carcinoma syndrome, esophageal squamous cell carcinoma, trichoepitheliomas, transitional cell carcinomas of the bladder, as well as holoprosencephaly. Alternative splicing results in multiple transcript variants encoding different

isoforms. Additional splice variants have been described, but their full length sequences and biological validity cannot be determined currently.

Note: This product is for in vitro research use only