

Human Protein Patched Homolog 1 (PTCH1) ELISA Kit | PTCH1 elisa kit

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CATALOG #
AAA331256

REACTIVITY
Human

PRODUCT SYNONYMS

Protein Patched Homolog 1 (PTCH1); Human Protein Patched Homolog 1 (PTCH1) ELISA Kit; PTCH1; RP11-435O5.3; BCNS; FLJ26746; FLJ42602; HPE7; NBCCS; PTC; PTC1; PTCH; PTCH11; OTTHUMP00000021709; OTTHUMP00000021710; PTCH protein +12b; PTCH protein +4; PTCH protein-10; patched; PTCH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein patched homolog 1 (PTCH1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTCH1. No significant cross-reactivity or interference between Human PTCH1 and analogues was observed.
Sequence Length	1447
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protein patched homolog 1 (PTCH1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTCH1 elisa kit	Description: This Human Protein patched homolog 1 (PTCH1) ELISA Kit 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 any PTCH1 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134254446
NCBI GeneID	5727
NCBI Accession #	NP_000255.2
NCBI GenBank Nucleotide #	NP_000255.2
UniProt Accession #	Q13635
NCBI Official Full Name	protein patched homolog 1 isoform L
NCBI Official Synonym Full Names	patched 1
NCBI Official Symbol	PTCH1
NCBI Official Synonym Symbols	PTC; BCNS; PTC1; PTCH; NBCCS
NCBI Protein Information	protein patched homolog 1
UniProt Protein Name	Protein patched homolog 1
UniProt Gene Name	PTCH1
UniProt Synonym Gene Names	PTCH; PTC; PTC1
UniProt Entry Name	PTC1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/protein-patched-homolog-1-ptch1/331256>