

Rat Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) CLIA Kit | UCHL1 clia kit

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CATALOG # AAA189111	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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PRODUCT SYNONYMS

Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1); Rat Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) CLIA Kit; Ubiquitin Carboxyl Terminal Hydrolase L1; PARK5; PGP9.5; Uch-L1; Neuron cytoplasmic protein 9.5; Ubiquitin thioesterase L1; Ubiquitin carboxyl-terminal hydrolase isozyme L1; UCHL1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1). No significant cross-reactivity or interference between Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) and analogues was observed.
Sequence Length	223
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Detection Range	20.6-15,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 7.3pg/mL
Applicable Applications for UCHL1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) level in the sample or standard.
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	61098212
NCBI GeneID	29545
NCBI Accession #	NP_058933.2
NCBI GenBank Nucleotide #	NP_058933.2
UniProt Accession #	Q00981
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase isozyme L1
NCBI Official Synonym Full Names	ubiquitin C-terminal hydrolase L1
NCBI Official Symbol	Uchl1
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase isozyme L1
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L1
UniProt Gene Name	Uchl1
UniProt Synonym Gene Names	UCH-L1; PGP9.5

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/rat-clia-kits/ubiquitin-carboxyl-terminal-hydrolase-l1-uchl1/189111>