



# Rabbit Anti-Human UCHL1 Polyclonal Antibody (CABT-L2205)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Ubiquitin Carboxyl Terminal Hydrolase L1 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against UCHL1. It has been selected for its ability to recognize UCHL1 in immunohistochemical staining and western blotting.
<b>Target</b>	UCHL1
<b>Immunogen</b>	Recombinant fragment corresponding to human UCHL1 (Gln2~Ala223)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Rat
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

**Introduction** The protein encoded by this gene belongs to the peptidase C12 family. This enzyme is a thiol protease that hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. This gene is specifically expressed in the neurons and in cells of the diffuse neuroendocrine system. Mutations in this gene may be associated with Parkinson disease.[provided by RefSeq, Sep 2009]

**Keywords** PARK5;PGP9.5;Uch-L1;Neuron cytoplasmic protein 9.5;Ubiquitin thioesterase L1;Ubiquitin carboxyl-terminal hydrolase isozyme L1

## GENE INFORMATION

<b>Gene Name</b>	UCHL1 ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase) [ Homo sapiens (human) ]
<b>Official Symbol</b>	UCHL1
<b>Synonyms</b>	UCHL1; ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase); NDGOA; PARK5; PGP95; PGP9.5; Uch-L1; HEL-117; PGP 9.5; ubiquitin carboxyl-terminal hydrolase isozyme L1; ubiquitin thioesterase L1; epididymis luminal protein 117; neuron cytoplasmic protein 9.5; ubiquitin C-terminal hydrolase;
<b>Entrez Gene ID</b>	<a href="#">7345</a>
<b>Protein Refseq</b>	NP_004172
<b>UniProt ID</b>	<a href="#">P09936</a>
<b>Chromosome Location</b>	4p14
<b>Pathway</b>	Alpha-synuclein signaling; Parkinsons disease; Parkinsons Disease Pathway; Proteasome Degradation;
<b>Function</b>	alpha-2A adrenergic receptor binding; cysteine-type endopeptidase activity; ligase activity; omega peptidase activity; protein binding; ubiquitin binding; ubiquitin-specific protease activity;