



Rabbit Anti-UCHL1 monoclonal antibody, clone KG04-19 (CABT-L895)

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

PRODUCT INFORMATION

Target	PGP9.5
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KG04-19
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP
Molecular Weight	25 kDa
Cellular Localization	Cytoplasm, Endoplasmic reticulum membrane.
Positive Control	PC-3M, Hela, PC-12, human pancreas tissue, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	UCH-L1 (ubiquitin C-terminal hydrolase) is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. Expression of UCH-L1 is highly specific to neurons and to cells of the diffuse neuroendocrine system and their tumors. UCH-L1 is expressed in brain neurons. Examination of specific brain regions reveals expression in all areas tested, particularly in the substantia nigra. UCH-L1 represents 1-2% of total soluble brain protein. Its occurrence in Lewy bodies and its function in the proteasome pathway make it a compelling candidate gene in Parkinson disease. The gene which encodes UCH-L1 maps to human chromosome 4p13. The 230 amino acid human UCH-L3 protein is 54% identical to that of UCH-L1. UCH-L3 is the predominant thiol protease and has high-affinity binding sites for ubiquitin.
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Keywords	Epididymis luminal protein 117;Epididymis secretory protein Li 53;HEL 117;HEL S 53;NDGOA;Neuron cytoplasmic protein 9.5;OTTHUMP00000218137;OTTHUMP00000218139;OTTHUMP00000218140;OTTHUMP00000218141;5;PARK5;PGP 9.5;PGP9.5;PGP95;Protein gene product 9.5;Ubiquitin C terminal esterase L1;Ubiquitin C terminal hydrolase;Ubiquitin C terminal hydrolase L1;Ubiquitin carboxyl terminal esterase L1;Ubiquitin carboxyl terminal hydrolase isozyme L1;Ubiquitin carboxyl-terminal hydrolase isozyme L1;Ubiquitin thioesterase L1;Ubiquitin thiolesterase;Ubiquitin thiolesterase L1;UCH-L1;UCHL1;UCHL1_HUMAN antibody
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