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Anti-Ubiquitin C-terminal Hydrolase 1 (UCHL1) Antibody

Our Anti-Ubiquitin C-terminal Hydrolase 1 (UCHL1) primary antibody from PhosphoSolutions is mouse m
Catalog # AN1601

Product Information

Application	WB, IHC, ICC
Primary Accession	P09936
Reactivity	Pig
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	BH7
Calculated MW	24824

Additional Information

Gene ID	7345
Other Names	Epididymis luminal protein 117 antibody, Epididymis secretory protein Li 53 antibody, HEL 117 antibody, HEL S 53 antibody, NDGOA antibody, Neuron cytoplasmic protein 9.5 antibody, OTTHUMP00000218137 antibody, OTTHUMP00000218139 antibody, OTTHUMP00000218140 antibody, OTTHUMP00000218141 antibody, Park 5 antibody, PARK5 antibody, PGP 9.5 antibody, PGP9.5 antibody, PGP95 antibody, Protein gene product 9.5 antibody, Ubiquitin C terminal esterase L1 antibody, Ubiquitin C terminal hydrolase antibody, Ubiquitin C terminal hydrolase L1 antibody, Ubiquitin carboxyl terminal esterase L1 antibody, Ubiquitin carboxyl terminal hydrolase isozyme L1 antibody, Ubiquitin carboxyl-terminal hydrolase isozyme L1 antibody, Ubiquitin thioesterase L1 antibody, Ubiquitin thiolesterase antibody, Ubiquitin thiolesterase L1 antibody, UCH-L1 antibody, UCHL1 antibody, UCHL1_HUMAN antibody
Target/Specificity	Ubiquitin C-terminal hydrolase 1 (UCHL1) is also known as ubiquitin carboxyl esterase L1, ubiquitin thiolesterase, neuron-specific protein PGP9.5 and Park5. It was originally identified as a major component of the neuronal cytoplasm from 2-dimensional gel analysis of brain tissues, and was given the name PGP9.5 (1). It was later found that ubiquitin C-terminal hydrolase enzyme activity was associated with the PGP9.5 protein (2). The ubiquitin C-terminal hydrolases cleave ubiquitin from other molecules. Regulation of the ubiquitin pathway is very important and many disease states are associated with defects in this pathway. Genetic knockout of UCHL1 in mice results in a motor neuron degeneration similar to the spontaneous gracile axonal dystrophy (gad) mutant mice (3). Point mutations in the UCHL1 gene are associated with some forms of human Parkinson's disease (4). Since UCHL1 is heavily expressed in neurons, it is released in large amounts following injury or degeneration, so the detection of UCHL1 in CSF and other bodily fluids can be used as a biomarker.

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Format	Protein G Purified
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Ubiquitin C-terminal Hydrolase 1 (UCHL1) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

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