G-Biosciences Image not found or type unknown

Immunotag™ UCHL1/PGP9.5 mouse mAb

Antibody Specification

Catalog No.	ITM1344
Product Description	Immunotag™ UCHL1/PGP9.5 mouse mAb
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	UCHL1/PGP9.5
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,ICC
Recommended Dilution	wb 1:1000 icc 1:300
Concentration	1 mg/ml
Reactive Species	Human,Monkey
Host Species	Mouse
Immunogen	Purified recombinant human UCHL1 / PGP9.5 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of UCHL1 / PGP9.5 and does not cross-react with related proteins.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	uchl1
Accession No.	P09936 Q9R0P9
Alternate Names	UCHL1 / PGP9.5;UCHL1;B220;CD 45;CD45;cd45 antigen;ec3.1.3.48;GP 180;GP180;Human homolog of severe combined immunodeficiency due to PTPRC deficiency;L CA;L-CA;lca;Leukocyte common antigen;LY 5;LY5;Protein tyrosine phosphatase receptor type C;Protein tyrosine phosphatase receptor type c polypeptide;PTPRC;PTPRC_HUMAN;Receptor-type tyrosine-protein phosphatase C;SCID due to PTPRC deficiency;t200;T200 glycoprotein;T200 leukocyte common antigen.

Antibody Specification

Description	ubiquitin C-terminal hydrolase L1(UCHL1) Homo sapiens 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],
Cell Pathway/ Category	Parkinson's disease,
Protein Expression	Brain,Cajal-Retzius cell,Fetal brain cortex,Lung,Muscle,
Subcellular Localization	intracellular,nucleoplasm,cytoplasm,endoplasmic reticulum membrane,cytosol,plasma membrane,neuronal cell body,myelin sheath,neuron projection terminus,extracellular exosome,axon cytoplasm,
Protein Function	catalytic activity:Thiol-dependent hydrolysis of ester, thioester, amide, peptide and isopeptide bonds formed by the C-terminal Gly of ubiquitin (a 76-residue protein attached to proteins as an intracellular targeting signal).,disease:Oxidation of Met-1, Met-6, Met-12, Met-124 and Met-179 to methionine sulfoxide, and oxidation of Cys-220 to cysteine sulfonic acid have been observed in brains from Alzheimer disease (AD) and Parkinson disease (PD) patients. In AD, UCHL1 was found to be associated with neurofibrillary tangles.,function:Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity.,miscellaneous:In contrast to UCHL3, does not hydrolyze a peptide bond at the C-terminal glycine of NEDD8.,online information:Ubiquitin carboxy-terminal hydrolase L1 entry,PTM:O-glycosylated.,similarity:Belongs to the peptidase C12 family.,subunit:Homodimer. Interacts with SNCA (By similarity). Interacts with COPS5.,tissue specificity:Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. Weakly expressed in ovary.,
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