

UCHL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2126e

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P09936
Other Accession	Q00981 , Q6SEG5 , Q9R0P9 , Q60HC8 , P23356
Reactivity	Human, Mouse, Rat
Predicted	Rat, Monkey, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	187-214

Additional Information

Other Names	Ubiquitin carboxyl-terminal hydrolase isozyme L1, UCH-L1, 6---, Neuron cytoplasmic protein 95, PGP 95, PGP95, Ubiquitin thioesterase L1, UCHL1
Target/Specificity	This UCHL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 187-214 amino acids from the C-terminal region of human UCHL1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	UCHL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

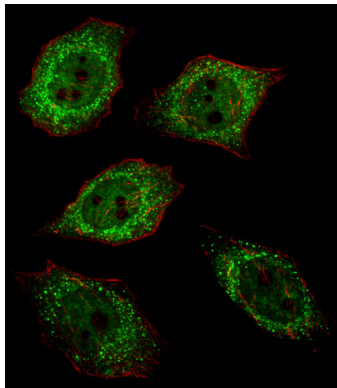
Background

UCHL1 is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. Expression of UCHL1 is highly specific to neurons and to cells of the diffuse neuroendocrine system and their tumors. It is present in all neurons (Doran et al., 1983 [PubMed 6343558]).

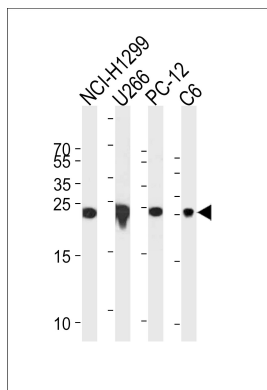
References

- Maraganore, D.M., et al., *Mov Disord* 18(6):631-636 (2003).
Nishikawa, K., et al., *Biochem. Biophys. Res. Commun.* 304(1):176-183 (2003).
Liu, Y., et al., *Cell* 111(2):209-218 (2002).
Caballero, O.L., et al., *Oncogene* 21(19):3003-3010 (2002).
Saigoh, K., et al., *Nat. Genet.* 23(1):47-51 (1999).

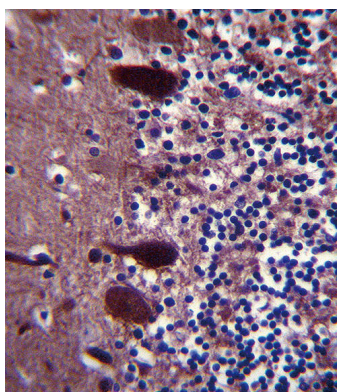
Images



Fluorescent image of U251 cell stained with UCHL1 Antibody (C-term)(Cat#AP2126e/SA120806AG).U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with UCHL1 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). UCHL1 immunoreactivity is localized to Cytoplasm and Nucleus significantly.

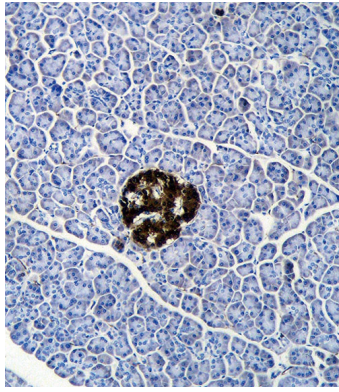


UCHL1 Antibody (C-term) (Cat. #AP2126e) western blot analysis in NCI-H1299,U266,rat PC-12,C6 cell line lysates (35ug/lane).This demonstrates the UCHL1 antibody detected the UCHL1 protein (arrow).



UCHL1 Antibody (C-term) (Cat. #AP2126e)immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of UCHL1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

UCHL1 Antibody (C-term) (Cat. #AP2126e)immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of UCHL1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.