ARG55814
anti-UCHL1 / PGP9.5 antibody [346CT2.2.1]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes UCHL1 / PGP9.5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	346CT2.2.1
Isotype	IgG1, kappa
Target Name	UCHL1 / PGP9.5
Species	Human
Immunogen	UCHL1 recombinant protein.
Conjugation	Un-conjugated
Alternate Names	PGP95; UCH-L1; PGP9.5; PARK5; Ubiquitin thioesterase L1; HEL-117; Neuron cytoplasmic protein 9.5; Uch-L1; EC 6.-.-.-; PGP 9.5; Ubiquitin carboxyl-terminal hydrolase isozyme L1; NDGOA; EC 3.4.19.12

Application Instructions

Application table

Application	Dilution
ICC/IF	1:25
IHC-P	1:25
WB	1:120 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: U266

Properties

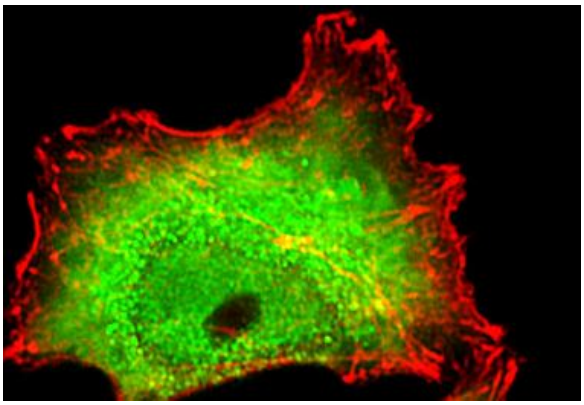
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

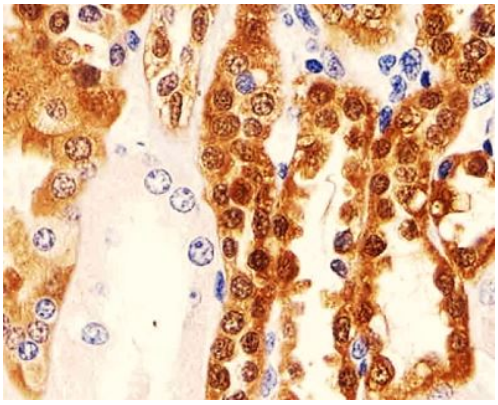
Gene Symbol	UCHL1
Gene Full Name	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
Background	The protein encoded by this gene belongs to the peptidase C12 family. This enzyme is a thiol protease that hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. This gene is specifically 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]
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. [UniProt]
Calculated Mw	25 kDa
PTM	O-glycosylated.
Cellular Localization	Cytoplasm. Endoplasmic reticulum membrane; Lipid-anchor. Note=About 30% of total UCHL1 is associated with membranes in brain

Images



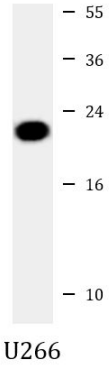
ARG55814 anti-UCHL1 / PGP9.5 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG55814 anti-UCHL1 / PGP9.5 antibody (green) at 1:25 dilution. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



ARG55814 anti-UCHL1 / PGP9.5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue stained with ARG55814 anti-UCHL1 / PGP9.5 antibody at 1:25 dilution.



ARG55814 anti-UCHL1 / PGP9.5 antibody WB image

Western blot: 35 µg of U266 cell lysate stained with ARG55814 anti-UCHL1 / PGP9.5 antibody at 1:1000 dilution.