ARG54112
anti-UCHL1 / PGP9.5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes UCHL1
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Target Name	UCHL1 / PGP9.5
Species	Human
Immunogen	Purified recombinant human UCHL1 / PGP9.5 protein fragments expressed in E.coli.
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	1:300
WB	1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	25 kDa

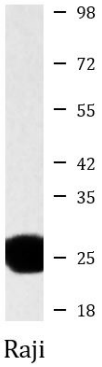
Properties

Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH 7.4), 0.2% Sodium azide, 50% Glycerol and 0.1%BSA
Preservative	0.2% Sodium azide
Stabilizer	50% Glycerol, 0.1%BSA
Concentration	1 mg/ml
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. 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

Database links	GeneID: 7345 Human Swiss-port # P09936 Human
Gene Symbol	UCHL1
Gene Full Name	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
Background	Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated_x000D_ proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of_x000D_ ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have_x000D_ ATP-independent ubiquitin ligase activity
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]
Research Area	Cell Biology and Cellular Response antibody; Gene Regulation antibody; Neuroscience antibody
Calculated Mw	25 kDa
PTM	O-glycosylated.
Cellular Localization	Cytoplasm

Images



ARG54112 anti-UCHL1 / PGP9.5 antibody WB image

Western blot: Raji cell lysate stained with ARG54112 anti-UCHL1 / PGP9.5 antibody at 1:1000 dilution.