

Rabbit anti-Human UCHL1/PGP9.5 Polyclonal Antibody | anti-UCHL1 antibody

UCHL1/PGP9.5 Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163156	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
-------------------------------	-----------------------	----------------------------	---

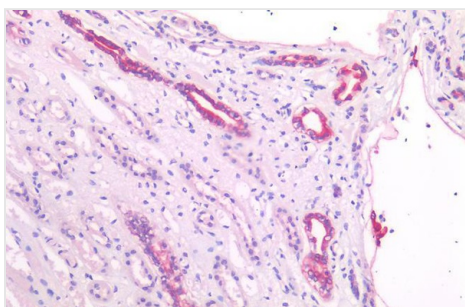
PRODUCT SYNONYMS

UCHL1/PGP9.5; Polyclonal Antibody; UCHL1/PGP9.5 Rabbit anti-Human Polyclonal Antibody; PathPlus UCHL1/PGP9.5 Antibody; UCHL1; Ubiquitin C-terminal hydrolase; PARK5; PGP9.5; PGP95; Ubiquitin thioesterase L1; Neuron cytoplasmic protein 9.5; PGP 9.5; Uch-L1; Ubiquitin carboxyl-terminal esterase L1; HEL-117; NDGOA; HEL-S-53; SPG79; anti-UCHL1 antibody

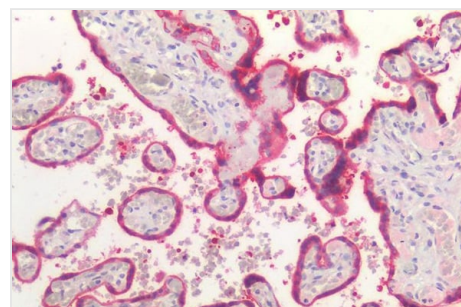
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-UCHL1 antibody	IHC (Immunohistochemistry)
Target	Human UCHL1/PGP9.5
Immunogen	LP-12018, synthetic peptide
Conjugation	Unconjugated
Family	Protease
Subfamily	Cysteine C12
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

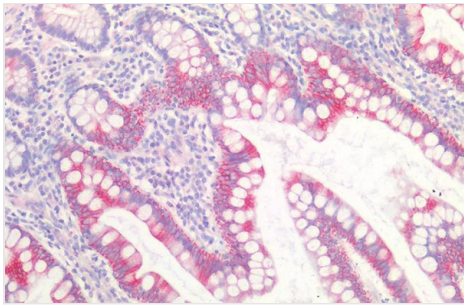
IMAGES



IHC (Immunohistochemistry)
UCHL1/PGP9.5 Antibody-Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
UCHL1/PGP9.5 Antibody-Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
 UCHL1/PGP9.5 Antibody-Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-UCHL1 antibody	PGP9.5 antibody is an unconjugated rabbit polyclonal antibody to PGP9.5 (UCHL1) from human. Validated for IHC. UCHL1 is a deubiquitinating enzyme found in neurons and neuroendocrine cells. UCHL1 functions to promote neuronal differentiation and regulates autophagy. UCHL1 is also considered an oncogene; mice engineered to overexpress UCHL1 demonstrate a propensity for lymphogenesis and malignancy, and abnormal expression of UCHL1 is seen in some lung and endometrial cancers. It has also been implicated in a number of neurodegenerative disorders including Parkinson's and Alzheimer's disease. In immunohistochemistry of normal tissue, UCHL1 is positive in neurons in the central nervous system. It is also present in a number of other tissues and cell types including distal renal tubules, islets of Langerhans, spermatogonia in testis, Leydig cells, oocytes and melanocytes.
References	Chemistry & Biology. 10 (9): 837 -46. doi:10.1016/j.chembiol.2003.08.010. PMID: 14522054; Leukemia. 2010 Sep;24(9):1641-55, PMID: 20574456; J Exp Clin Cancer Res. 2018 Oct 25;37(1):258, PMID: 30359286; Int J Gynecol Cancer. 2018 May;28(4):675-683, PMID: 29489474

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361091
NCBI GeneID	7345
NCBI Accession #	NP_004172.2
NCBI GenBank Nucleotide #	NM_004181
UniProt Accession #	P09936 ; Q4W5K6 ; Q71UM0
Molecular Weight	24,824 Da
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase isozyme L1
NCBI Official Synonym Full Names	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
NCBI Official Symbol	UCHL1
NCBI Official Synonym Symbols	PARK5; PGP95; PGP9.5; Uch-L1; PGP 9.5
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase isozyme L1; ubiquitin thioesterase L1; neuron cytoplasmic protein 9.5; ubiquitin C-terminal hydrolase
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L1
UniProt Gene Name	UCHL1
UniProt Synonym Gene Names	UCH-L1; PGP9.5
UniProt Entry Name	UCHL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

